Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o4.tm	Method	TBLASTX:Maize
Start	6412	End	6903
GI	none	Score	121
Exons	6412..6546, 6570..6782, 6571..6813, 6808..6903, 6826..6903		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o5.tw	Method	TBLASTX:Wheat
Start	6829	End	7098
GI	none	Score	186
Exons	6829..7098		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o1.tm	Method	TBLASTX:Maize
Start	6904	End	7592
GI	none	Score	642
Exons	6904..7590, 6904..7584, 7083..7592		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o2.tw	Method	TBLASTX:Wheat
Start	7231	End	7671
GI	none	Score	199
Exons	7231..7533, 7314..7490, 7537..7671		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o5.tm	Method	TBLASTX:Maize
Start	8023	End	8624
GI	none	Score	92
Exons	8023..8148, 8140..8376, 8181..8201, 8277..8390, 8390..8527, 8409..8624		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o4.tw	Method	TBLASTX:Wheat
Start	8155	End	8507
GI	none	Score	190
Exons	8155..8352, 8472..8507		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o2.tm	Method	TBLASTX:Maize
Start	9887	End	11837
GI	none	Score	86
Exons	9887..9961, 9888..9962, 10029..10127, 10030..10131, 10186..10242, 10191..10241, 10781..10951, 10782..10952,		

10789..10959, 10883..10972, 11045..11194, 11063..11197,
11293..11412, 11295..11387, 11491..11625, 11492..11632,
11534..11626, 11716..11751, 11751..11837, 11752..11790

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o3.tw	Method	TBLASTX:Wheat
Start	9887	End	10814
GI	none	Score	84
Exons	9887..9961, 9888..9962, 10029..10127, 10030..10131, 10186..10242, 10191..10241, 10782..10814		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o1.ts	Method	TBLASTX:Soybean
Start	10024	End	11634
GI	none	Score	183
Exons	10024..10131, 10029..10127, 10186..10242, 10191..10241, 10781..10972, 10782..10952, 10878..10979, 10889..10972, 11045..11194, 11063..11197, 11294..11392, 11295..11387, 11491..11634, 11492..11626		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o1.tc	Method	TBLASTX:Cress
Start	10029	End	11623
GI	none	Score	174
Exons	10029..10109, 10030..10131, 10186..10242, 10191..10241, 10782..10952, 10786..10959, 10895..10960, 11045..11194, 11058..11195, 11058..11207, 11063..11197, 11278..11403, 11295..11387, 11491..11616, 11492..11623		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o1.tw	Method	TBLASTX:Wheat
Start	10831	End	11387
GI	none	Score	142
Exons	10831..10950, 10869..10952, 10875..10952, 10877..10972, 11056..11193, 11058..11195, 11058..11192, 11059..11193, 11063..11197, 11063..11194, 11294..11386, 11295..11387		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o3.np	Method	AAT/NAP
Start	11747	End	13669
GI	421983	Score	129
Exons	11747..11793, 13091..13444, 13553..13669		
GI Descrip.	DNA-binding protein myb2 - barley gi\|19055\|emb\|CAA50221\| (X70876) MybHv5 [Hordeum vulgare]		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-

Start	11747	End	13669
Name	OJ991206_18.0131.C12.o6.tw	Method	TBLASTX:Wheat
Start	13153	End	13443
GI	none	Score	67
Exons	13153..13200, 13154..13201, 13291..13377, 13291..13371, 13348..13440, 13348..13443		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36809	Strand	
Start	15388	End	16790
Name	OJ991206_18.0131.C12.o2.tc	Method	TBLASTX:Cress
Start	15388	End	16738
GI	none	Score	207
Exons	15388..15570, 15444..15572, 15447..15572, 15831..16016, 15839..15946, 15852..16022, 16087..16200, 16094..16201, 16619..16663, 16679..16738		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36809	Strand	
Start	15388	End	16790
Name	OJ991206_18.0131.C12.o3.tm	Method	TBLASTX:Maize
Start	15394	End	16790
GI	none	Score	270
Exons	15394..15570, 15406..15573, 15419..15574, 15447..15575, 15830..16015, 15831..16016, 15831..16022, 15832..16017, 16090..16209, 16094..16201, 16117..16203, 16619..16759, 16622..16753, 16623..16790		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36809	Strand	
Start	15388	End	16790
Name	OJ991206_18.0131.C12.o2.ts	Method	TBLASTX:Soybean
Start	15421	End	16753
GI	none	Score	212
Exons	15421..15570, 15447..15575, 15830..16015, 15831..16016, 15849..16031, 15871..16083, 16087..16200, 16094..16201, 16097..16201, 16098..16202, 16619..16753, 16619..16753		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36810	Strand	+
Start	1	End	2000
Name	OJ991206_18.0131.C13.o1.np	Method	AAT/NAP
Start	1	End	1994
GI	4138647	Score	668
Exons	1..26, 1129..1336, 1431..1994		
GI Descrip.	(AJ011939) peroxidase [Trifolium repens]		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36810	Strand	+
Start	1	End	2000
Name	OJ991206_18.0131.C13.o1.gs	Method	GENSCAN
Start	740	End	2000
GI	none	Score	.9
Exons	740..822, 1145..1336, 1431..2000		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36811	Strand	+

Start	4904	End	10990
Name	OJ991206_18.0131.C13.o2.gs	Method	GENSCAN
Start	4904	End	10990
GI	none	Score	.49
Exons	4904..5492, 9488..9696, 10514..10990		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36812	Strand	+
Start	11647	End	13075
Name	OJ991206_18.0131.C13.o3.gs	Method	GENSCAN
Start	11647	End	13075
GI	none	Score	.83
Exons	11647..12165, 12185..13075		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36813	Strand	-
Start	1654	End	2099
Name	OJ991206_18.0131.C13.o1.gp	Method	AAT/GAP
Start	1654	End	2099
GI	86128_1.R1084	Score	840
Exons	1654..2099		
GI Descrip.	'1402906/emb\|CAA66958\| 4.0e-26 (X98314) peroxidase [Arabidopsis thaliana] >gi_4468977_emb_CAB38291_ (AL035605) peroxidase, prxr2 [Arabidopsis thaliana]'		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36814	Strand	-
Start	3338	End	5080
Name	OJ991206_18.0131.C13.o2.gp	Method	AAT/GAP
Start	3338	End	5080
GI	none	Score	927
Exons	3338..3604, 4857..5080		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36815	Strand	-
Start	11650	End	13804
Name	OJ991206_18.0131.C13.o2.np	Method	AAT/NAP
Start	11650	End	13804
GI	3080452	Score	1474
Exons	11650..13003, 13315..13407, 13511..13804		
GI Descrip.	(AL022605) putative L-ascorbate oxidase [Arabidopsis thaliana]		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36815	Strand	-
Start	11650	End	13804
Name	OJ991206_18.0131.C13.o4.gs	Method	GENSCAN
Start	13311	End	13774
GI	none	Score	.59
Exons	13311..13407, 13443..13774		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o1.tc	Method	TBLASTX:Cress
Start	1132	End	2000
GI	none	Score	269
Exons	1132..1338, 1136..1348, 1436..1636, 1437..1649, 1668..1718,		

1725..2000, 1823..1996

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o2.tm	Method	TBLASTX:Maize
Start	1132	End	1604
GI	none	Score	300
Exons	1132..1335, 1136..1348, 1413..1604, 1430..1603		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o2.ts	Method	TBLASTX:Soybean
Start	1132	End	1988
GI	none	Score	66
Exons	1132..1179, 1136..1186, 1160..1267, 1180..1266, 1271..1348, 1430..1636, 1431..1649, 1668..1988, 1691..1780, 1823..1984		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o1.tw	Method	TBLASTX:Wheat
Start	1136	End	1652
GI	none	Score	46
Exons	1136..1174, 1177..1332, 1178..1348, 1431..1652, 1436..1624		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o3.tm	Method	TBLASTX:Maize
Start	1739	End	2000
GI	none	Score	383
Exons	1739..1780, 1740..2000, 1820..1996		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o6.tm	Method	TBLASTX:Maize
Start	3320	End	5110
GI	none	Score	243
Exons	3320..3337, 3452..3496, 3575..3604, 4877..5110, 4900..5109		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o6.tc	Method	TBLASTX:Cress
Start	4850	End	5178
GI	none	Score	147
Exons	4850..5065, 4873..5076, 5119..5178		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o5.ts	Method	TBLASTX:Soybean
Start	4870	End	5181
GI	none	Score	124

Exons	4870..5079, 4874..5068, 5125..5181		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o3.tc	Method	TBLASTX:Cress
Start	11653	End	12279
GI	none	Score	65
Exons	11653..11844, 11759..11839, 11887..11943, 11888..11944, 12103..12279, 12104..12250		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o1.tm	Method	TBLASTX:Maize
Start	11656	End	12595
GI	none	Score	95
Exons	11656..11844, 11657..11839, 11876..11944, 11902..11943, 11953..11970, 11954..12016, 11998..12042, 12103..12282, 12107..12283, 12339..12392, 12412..12432, 12429..12587, 12434..12595, 12434..12589		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o1.ts	Method	TBLASTX:Soybean
Start	11656	End	12688
GI	none	Score	104
Exons	11656..11850, 11744..11839, 11888..11971, 11896..11970, 11998..12057, 12103..12279, 12170..12280, 12339..12377, 12398..12688, 12462..12638		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o2.tw	Method	TBLASTX:Wheat
Start	12393	End	12653
GI	none	Score	240
Exons	12393..12653, 12395..12649		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o5.tc	Method	TBLASTX:Cress
Start	12566	End	12964
GI	none	Score	120
Exons	12566..12652, 12753..12959, 12758..12964		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o3.ts	Method	TBLASTX:Soybean
Start	12920	End	13705
GI	none	Score	83
Exons	12920..13006, 12933..13004, 13303..13410, 13337..13411, 13508..13705, 13518..13691		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o2.tc	Method	TBLASTX:Cress
Start	13285	End	13687
GI	none	Score	93
Exons	13285..13410, 13337..13405, 13511..13687, 13515..13676		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o4.tm	Method	TBLASTX:Maize
Start	13315	End	13705
GI	none	Score	82
Exons	13315..13410, 13340..13411, 13508..13705, 13509..13676		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o5.gs	Method	GENSCAN
Start	16456	End	23210
GI	none	Score	.64
Exons	16456..16630, 17842..18011, 18701..18742, 18950..19049, 19627..19697, 20342..20420, 22211..22240, 22821..22916, 23026..23210		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o3.gp	Method	AAT/GAP
Start	16803	End	23318
GI	368_2.R1084	Score	2233
Exons	16803..16824, 16936..17352, 17842..18005, 18701..18742, 18837..18878, 18950..19049, 19627..19697, 20342..20420, 23026..23318		
GI Descrip.	'3928085 8.0e-17 (AC005770) unknown protein [Arabidopsis thaliana]'		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o3.np	Method	AAT/NAP
Start	17292	End	23210
GI	2286113	Score	1079
Exons	17292..17352, 17842..18005, 18701..18742, 18837..18878, 18950..19049, 19627..19697, 20342..20420, 23026..23210		
GI Descrip.	(U78892) MADS box protein [Oryza sativa]		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o7.tm	Method	TBLASTX:Maize
Start	17838	End	19700
GI	none	Score	56
Exons	17838..17900, 17841..17888, 17842..17889, 17883..17918, 17890..17916, 17925..17996, 17926..18006, 17928..18002, 18690..18743, 18698..18745, 18703..18753, 18810..18878,		

18818..18877, 18821..18880, 18831..18881, 18950..19051,
18952..19050, 19624..19698, 19626..19700

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o4.tc	Method	TBLASTX:Cress
Start	18718	End	23189
GI	none	Score	165
Exons	18718..18744, 18831..18884, 18950..19051, 19626..19694, 23019..23189, 23035..23160		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o4.ts	Method	TBLASTX:Soybean
Start	18950	End	23189
GI	none	Score	175
Exons	18950..19051, 19626..19691, 23026..23157, 23031..23189		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o3.tw	Method	TBLASTX:Wheat
Start	18973	End	23189
GI	none	Score	68
Exons	18973..19050, 18974..19051, 19624..19686, 19626..19694, 19670..19696, 20342..20428, 20343..20429, 23020..23157, 23028..23189		

Seq. No.	17517	Seq. ID	OJ991206_18.0131.C13
Gene No.	36816	Strand	-
Start	16456	End	23318
Name	OJ991206_18.0131.C13.o5.tm	Method	TBLASTX:Maize
Start	20345	End	23189
GI	none	Score	101
Exons	20345..20422, 20346..20423, 23020..23157, 23028..23189		

Seq. No.	17518	Seq. ID	OJ991206_18.0131.C15
Gene No.	36817	Strand	-
Start	134	End	268
Name	OJ991206_18.0131.C15.o1.gs	Method	GENSCAN
Start	134	End	268
GI	none	Score	.75
Exons	134..268		

Seq. No.	17518	Seq. ID	OJ991206_18.0131.C15
Gene No.	36818	Strand	-
Start	2037	End	2624
Name	OJ991206_18.0131.C15.o2.gs	Method	GENSCAN
Start	2037	End	2624
GI	none	Score	.85
Exons	2037..2624		

Seq. No.	17518	Seq. ID	OJ991206_18.0131.C15
Gene No.	36818	Strand	-
Start	2037	End	2624

Name	OJ991206_18.0131.C15.o1.np	Method	AAT/NAP
Start	2151	End	2577
GI	4758390	Score	37
Exons	2151..2332, 2444..2577		
GI Descrip.	forkhead box G1A gi\|1705455\|sp\|P55316\|BF2_HUMAN TRANSCRIPTION FACTOR BF-2 (BRAIN FACTOR 2) (BF2) (HFK2) gi\|2135327\|pir\|\|I37451 HBF-G2 (HFK-2) protein - human gi\|516383\|emb\|CAA52240\| (X74143) transcription factor [Homo sapiens] gi\|967048\|emb\|CAA55038\| (X78202) HBF-G2 (HFK-2) [Homo sapiens] gi\|1098059\|prf\|\|2115219A brain factor 2 [Homo sapiens]		

Seq. No.	17519	Seq. ID	OJ991206_18.0131.C16
Gene No.	36819	Strand	-
Start	410	End	3369
Name	OJ991206_18.0131.C16.o1.np	Method	AAT/NAP
Start	410	End	3369
GI	6642682	Score	276
Exons	410..540, 3185..3369		
GI Descrip.	(AC015450) unknown protein [Arabidopsis thaliana]		

Seq. No.	17519	Seq. ID	OJ991206_18.0131.C16
Gene No.	36820	Strand	-
Start	8003	End	9051
Name	OJ991206_18.0131.C16.o1.ts	Method	TBLASTX:Soybean
Start	456	End	3327
GI	none	Score	77
Exons	456..542, 457..543, 3184..3327, 3185..3262		

Seq. No.	17519	Seq. ID	OJ991206_18.0131.C16
Gene No.	36820	Strand	-
Start	8003	End	9051
Name	OJ991206_18.0131.C16.o2.gs	Method	GENSCAN
Start	8003	End	9051
GI	none	Score	.47
Exons	8003..8086, 8947..9051		

Seq. No.	17520	Seq. ID	OJ991206_18.0131.C18
Gene No.	36821	Strand	+
Start	1	End	379
Name	OJ991206_18.0131.C18.o1.np	Method	AAT/NAP
Start	1	End	379
GI	2605617	Score	154
Exons	1..379		
GI Descrip.	(D88617) OSMYB1 [Oryza sativa]		

Seq. No.	17520	Seq. ID	OJ991206_18.0131.C18
Gene No.	36821	Strand	+
Start	1	End	379
Name	OJ991206_18.0131.C18.o1.gs	Method	GENSCAN
Start	11	End	338
GI	none	Score	.86
Exons	11..103, 188..338		

Seq. No.	17521	Seq. ID	OJ991216_12.0125.C1
Gene No.	36822	Strand	-
Start	285	End	679
Name	OJ991216_12.0125.C1.o1.gs	Method	GENSCAN

Start	285	End	679
GI	none	Score	.75
Exons	285..468, 542..679		

Seq. No.	17522	Seq. ID	OJ991216_12.0125.C4
Gene No.	36823	Strand	+
Start	3032	End	5573
Name	OJ991216_12.0125.C4.o1.gs	Method	GENSCAN
Start	3032	End	5573
GI	none	Score	.58
Exons	3032..3487, 4247..4362, 4734..5250, 5529..5573		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36824	Strand	+
Start	1	End	6880
Name	OJ991216_12.0125.C5.o1.gp	Method	AAT/GAP
Start	1	End	55
GI	7406_1.R1084	Score	83
Exons	1..55		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36824	Strand	+
Start	1	End	6880
Name	OJ991216_12.0125.C5.o1.np	Method	AAT/NAP
Start	1	End	930
GI	6721543	Score	95
Exons	1..56, 762..930		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36824	Strand	+
Start	1	End	6880
Name	OJ991216_12.0125.C5.o1.gs	Method	GENSCAN
Start	772	End	6602
GI	none	Score	.53
Exons	772..1411, 1595..2621, 2823..3118, 3558..3708, 3814..4060, 4235..4645, 4740..5038, 5115..5373, 5466..5586, 5618..5751, 5894..5973, 6037..6084, 6089..6291, 6442..6602		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36824	Strand	+
Start	1	End	6880
Name	OJ991216_12.0125.C5.o2.np	Method	AAT/NAP
Start	943	End	6323
GI	5441880	Score	4700
Exons	943..1948, 2393..2424, 2683..2998, 3558..3708, 3814..4150, 4740..5038, 5115..5373, 5618..5691, 5728..5751, 5842..5973, 6089..6323		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36824	Strand	+
Start	1	End	6880

Name	OJ991216_12.0125.C5.o2.gp	Method	AAT/GAP
Start	1547	End	1978
GI	5701669	Score	845
Exons	1547..1978		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36824	Strand	+
Start	1	End	6880
Name	OJ991216_12.0125.C5.o3.gp	Method	AAT/GAP
Start	4866	End	5365
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	4866..5038, 5115..5365		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36824	Strand	+
Start	1	End	6880
Name	OJ991216_12.0125.C5.o4.gp	Method	AAT/GAP
Start	6427	End	6880
GI	LIB3431-045-P1-N1-A10	Score	852
Exons	6427..6880		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36825	Strand	+
Start	9889	End	14420
Name	OJ991216_12.0125.C5.o4.np	Method	AAT/NAP
Start	7977	End	10674
GI	3738337	Score	229
Exons	7977..8106, 8134..8912, 10524..10674		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36825	Strand	+
Start	9889	End	14420
Name	OJ991216_12.0125.C5.o5.np	Method	AAT/NAP
Start	9152	End	11457
GI	6721516	Score	497
Exons	9152..9393, 9807..10158, 11407..11457		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36825	Strand	+
Start	9889	End	14420
Name	OJ991216_12.0125.C5.o2.gs	Method	GENSCAN
Start	9889	End	14420
GI	none	Score	.4
Exons	9889..10038, 11724..11774, 14220..14420		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5

Gene No.	36826	Strand	+
Start	20498	End	20582
Name	OJ991216_12.0125.C5.o4.gs	Method	GENSCAN
Start	20498	End	20582
GI	none	Score	.99
Exons	20498..20582		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36827	Strand	-
Start	6347	End	7247
Name	OJ991216_12.0125.C5.o3.np	Method	AAT/NAP
Start	6347	End	7247
GI	6721543	Score	122
Exons	6347..6461, 7119..7247		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36828	Strand	-
Start	16315	End	19401
Name	OJ991216_12.0125.C5.o2.tm	Method	TBLASTX:Maize
Start	1504	End	2100
GI	none	Score	89
Exons	1504..1632, 1512..1610, 1666..1965, 1683..1904, 2029..2100		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36828	Strand	-
Start	16315	End	19401
Name	OJ991216_12.0125.C5.o1.tw	Method	TBLASTX:Wheat
Start	1798	End	2178
GI	none	Score	208
Exons	1798..1992, 1807..2004, 1998..2117, 2002..2178, 2002..2178		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36828	Strand	-
Start	16315	End	19401
Name	OJ991216_12.0125.C5.o1.tm	Method	TBLASTX:Maize
Start	8023	End	8752
GI	none	Score	71
Exons	8023..8106, 8068..8223, 8094..8213, 8176..8313, 8268..8294, 8315..8596, 8325..8597, 8594..8701, 8729..8752		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36828	Strand	-
Start	16315	End	19401
Name	OJ991216_12.0125.C5.o1.ts	Method	TBLASTX:Soybean
Start	8340	End	8862
GI	none	Score	115
Exons	8340..8597, 8593..8688, 8594..8692, 8728..8862, 8778..8837		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36828	Strand	-
Start	16315	End	19401
Name	OJ991216_12.0125.C5.o3.tm	Method	TBLASTX:Maize
Start	10549	End	11019
GI	none	Score	180
Exons	10549..10782, 10846..10920, 10930..11019, 10954..11010		

Seq. No.	17523	Seq. ID	OJ991216_12.0125.C5
Gene No.	36828	Strand	-
Start	16315	End	19401
Name	OJ991216_12.0125.C5.o3.gs	Method	GENSCAN
Start	16315	End	19401
GI	none	Score	.69
Exons	16315..16431, 16443..16484, 16733..16870, 17157..17282, 17373..17472, 19238..19401		

Seq. No.	17524	Seq. ID	OJ991216_12.0125.C6
Gene No.	36829	Strand	-
Start	249	End	282
Name	OJ991216_12.0125.C6.o1.gs	Method	GENSCAN
Start	249	End	282
GI	none	Score	.6
Exons	249..282		

Seq. No.	17525	Seq. ID	OJ991216_12.0125.C8
Gene No.	36830	Strand	+
Start	95	End	1113
Name	OJ991216_12.0125.C8.o1.gs	Method	GENSCAN
Start	95	End	1113
GI	none	Score	.86
Exons	95..215, 993..1113		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36831	Strand	+
Start	1988	End	2442
Name	OJ991216_12.0125.C9.o1.gp	Method	AAT/GAP
Start	1988	End	2442
GI	36280_1.R1084	Score	854
Exons	1988..2442		
GI Descrip.	'5295971/dbj\|BAA81872.1\| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36832	Strand	+
Start	4134	End	4569
Name	OJ991216_12.0125.C9.o3.gp	Method	AAT/GAP
Start	4134	End	4569
GI	uC-osf1M2020118f01a1	Score	801
Exons	4134..4569		
GI Descrip.	'5295971/dbj\|BAA81872.1\| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o1.gs	Method	GENSCAN
Start	1611	End	9298
GI	none	Score	.69
Exons	1611..3394, 3414..3502, 3567..3843, 3861..6434, 7288..8248, 8602..9298		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o1.np	Method	AAT/NAP
Start	1614	End	6414
GI	5295971	Score	8068
Exons	1614..6414		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o3.ts	Method	TBLASTX:Soybean
Start	1638	End	2288
GI	none	Score	52
Exons	1638..1871, 1761..1919, 1926..2096, 1954..2112, 2127..2288		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o1.tc	Method	TBLASTX:Cress
Start	1647	End	2309
GI	none	Score	101
Exons	1647..1865, 1651..1857, 1932..2012, 1936..2013, 2022..2309, 2023..2112, 2137..2247		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o4.tm	Method	TBLASTX:Maize
Start	1648	End	2037
GI	none	Score	342
Exons	1648..2034, 1650..1955, 1650..2036, 1766..2005, 1930..2037		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o4.tw	Method	TBLASTX:Wheat
Start	1677	End	2096
GI	none	Score	69
Exons	1677..1880, 1689..1871, 1926..2096, 1936..2013		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o10.tm	Method	TBLASTX:Maize
Start	2043	End	2222
GI	none	Score	122
Exons	2043..2222, 2044..2220		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o5.tw	Method	TBLASTX:Wheat

Start	2130	End	2441
GI	none	Score	64
Exons	2130..2309, 2334..2441		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o3.tm	Method	TBLASTX:Maize
Start	2224	End	2615
GI	none	Score	378
Exons	2224..2613, 2226..2498, 2226..2615, 2296..2613		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o1.tw	Method	TBLASTX:Wheat
Start	2442	End	2997
GI	none	Score	83
Exons	2442..2666, 2652..2996, 2676..2843, 2908..2997		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o1.ts	Method	TBLASTX:Soybean
Start	2667	End	3164
GI	5509260	Score	122
Exons	2667..3164, 2686..2844, 2908..3084		
GI Descrip.	-		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o2.tc	Method	TBLASTX:Cress
Start	2778	End	3042
GI	none	Score	91
Exons	2778..3041, 2911..3042		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o5.tm	Method	TBLASTX:Maize
Start	2817	End	3125
GI	none	Score	185
Exons	2817..3125, 2818..3123		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o2.ts	Method	TBLASTX:Soybean
Start	3614	End	4092
GI	none	Score	139
Exons	3614..3760, 3785..3832, 3832..4092, 3833..4087		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o3.tc	Method	TBLASTX:Cress

Start	3638	End	4077
GI	none	Score	155
Exons	3638..3760, 3782..3832, 3844..4077		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o2.tm	Method	TBLASTX:Maize
Start	3698	End	4123
GI	none	Score	200
Exons	3698..3880, 3698..3832, 3699..3842, 3827..4123, 3832..4119		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o2.gp	Method	AAT/GAP
Start	3771	End	4125
GI	uC-osflcyp139c12a1	Score	574
Exons	3771..4125		
GI Descrip.	'5295971/dbj\|BAA81872.1\| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o3.tw	Method	TBLASTX:Wheat
Start	3776	End	4326
GI	none	Score	69
Exons	3776..3832, 3862..4128, 3962..4111, 4186..4326		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o6.ts	Method	TBLASTX:Soybean
Start	4186	End	4461
GI	none	Score	198
Exons	4186..4461, 4285..4365		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o2.tw	Method	TBLASTX:Wheat
Start	4399	End	4852
GI	none	Score	57
Exons	4399..4491, 4399..4479, 4471..4848, 4486..4851, 4547..4852		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o7.tm	Method	TBLASTX:Maize
Start	4522	End	4762
GI	none	Score	252
Exons	4522..4761, 4523..4762		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9

Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o1.tm	Method	TBLASTX:Maize
Start	4777	End	5496
GI	none	Score	417
Exons	4777..5202, 4777..5142, 4878..5201, 5207..5239, 5209..5304, 5221..5496, 5222..5479		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o6.tm	Method	TBLASTX:Maize
Start	5730	End	6022
GI	none	Score	54
Exons	5730..5771, 5731..5958, 5731..6021, 5807..6022		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o2.np	Method	AAT/NAP
Start	6085	End	9361
GI	2565011	Score	633
Exons	6085..6126, 7275..7352, 7418..8248, 8337..9149, 9279..9361		
GI Descrip.	(AC002983) putative MuDR-A-like transposon protein [Arabidopsis thaliana]		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o5.ts	Method	TBLASTX:Soybean
Start	7445	End	7747
GI	none	Score	59
Exons	7445..7747, 7536..7697		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o8.tm	Method	TBLASTX:Maize
Start	7520	End	8224
GI	none	Score	68
Exons	7520..7612, 7640..7732, 7643..7750, 7802..8140, 8156..8224		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o4.ts	Method	TBLASTX:Soybean
Start	7823	End	8212
GI	none	Score	73
Exons	7823..8212, 7916..8029		

Seq. No.	17526	Seq. ID	OJ991216_12.0125.C9
Gene No.	36833	Strand	-
Start	1611	End	9361
Name	OJ991216_12.0125.C9.o9.tm	Method	TBLASTX:Maize
Start	8806	End	9027
GI	none	Score	214
Exons	8806..9027		

Seq. No.	17527	Seq. ID	OJ991216_12.0125.C10
Gene No.	36834	Strand	+
Start	857	End	2340
Name	OJ991216_12.0125.C10.o1.gs	Method	GENSCAN
Start	857	End	2340
GI	none	Score	.7
Exons	857..1344, 1696..1856, 1949..2138, 2266..2340		

Seq. No.	17527	Seq. ID	OJ991216_12.0125.C10
Gene No.	36834	Strand	+
Start	857	End	2340
Name	OJ991216_12.0125.C10.o1.tm	Method	TBLASTX:Maize
Start	897	End	1859
GI	none	Score	42
Exons	897..995, 1008..1271, 1157..1270, 1287..1340, 1701..1859		

Seq. No.	17527	Seq. ID	OJ991216_12.0125.C10
Gene No.	36834	Strand	+
Start	857	End	2340
Name	OJ991216_12.0125.C10.o1.np	Method	AAT/NAP
Start	899	End	2017
GI	2980766	Score	231
Exons	899..1344, 1696..1856, 1949..2017		
GI Descrip.	(AL022198) putative calmodulin-binding protein [Arabidopsis thaliana]		

Seq. No.	17527	Seq. ID	OJ991216_12.0125.C10
Gene No.	36834	Strand	+
Start	857	End	2340
Name	OJ991216_12.0125.C10.o1.ts	Method	TBLASTX:Soybean
Start	981	End	1859
GI	none	Score	184
Exons	981..1271, 998..1270, 1680..1859		

Seq. No.	17528	Seq. ID	OJ991216_12.0125.C11
Gene No.	36835	Strand	-
Start	89	End	337
Name	OJ991216_12.0125.C11.o1.gs	Method	GENSCAN
Start	89	End	337
GI	none	Score	.81
Exons	89..337		

Seq. No.	17528	Seq. ID	OJ991216_12.0125.C11
Gene No.	36836	Strand	
Start	298	End	621
Name	OJ991216_12.0125.C11.o1.tm	Method	TBLASTX:Maize
Start	298	End	621
GI	none	Score	147
Exons	298..504, 299..505, 444..506, 505..621, 506..607		

Seq. No.	17529	Seq. ID	OJ991216_12.0125.C12
Gene No.	36837	Strand	+
Start	194	End	295
Name	OJ991216_12.0125.C12.o1.gs	Method	GENSCAN
Start	194	End	295
GI	none	Score	.75

Exons	194..295		
Seq. No.	17530	Seq. ID	OJ991216_12.0125.C14
Gene No.	36838	Strand	-
Start	215	End	639
Name	OJ991216_12.0125.C14.o1.np	Method	AAT/NAP
Start	215	End	639
GI	6539570	Score	181
Exons	215..269, 434..639		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	17531	Seq. ID	OJ991216_12.0125.C17
Gene No.	36839	Strand	+
Start	468	End	3564
Name	OJ991216_12.0125.C17.o2.tm	Method	TBLASTX:Maize
Start	459	End	892
GI	none	Score	50
Exons	459..515, 466..519, 519..602, 520..606, 606..653, 609..668, 663..746, 776..892, 787..891		
Seq. No.	17531	Seq. ID	OJ991216_12.0125.C17
Gene No.	36839	Strand	+
Start	468	End	3564
Name	OJ991216_12.0125.C17.o1.gs	Method	GENSCAN
Start	468	End	3564
GI	none	Score	.67
Exons	468..766, 865..910, 1111..1320, 1359..1516, 1540..2242, 3407..3450, 3492..3564		
Seq. No.	17531	Seq. ID	OJ991216_12.0125.C17
Gene No.	36839	Strand	+
Start	468	End	3564
Name	OJ991216_12.0125.C17.o2.ts	Method	TBLASTX:Soybean
Start	472	End	782
GI	none	Score	106
Exons	472..603, 624..782		
Seq. No.	17531	Seq. ID	OJ991216_12.0125.C17
Gene No.	36839	Strand	+
Start	468	End	3564
Name	OJ991216_12.0125.C17.o1.tw	Method	TBLASTX:Wheat
Start	502	End	901
GI	none	Score	105
Exons	502..606, 504..605, 663..767, 743..769, 772..900, 773..901, 773..901		
Seq. No.	17531	Seq. ID	OJ991216_12.0125.C17
Gene No.	36839	Strand	+
Start	468	End	3564
Name	OJ991216_12.0125.C17.o1.tc	Method	TBLASTX:Cress
Start	1156	End	1873
GI	none	Score	126
Exons	1156..1326, 1170..1277, 1443..1505, 1576..1701, 1577..1702, 1745..1873, 1750..1860		
Seq. No.	17531	Seq. ID	OJ991216_12.0125.C17
Gene No.	36839	Strand	+

Start	468	End	3564
Name	OJ991216_12.0125.C17.o1.ts	Method	TBLASTX:Soybean
Start	1156	End	1864
GI	none	Score	130
Exons	1156..1326, 1212..1334, 1335..1385, 1443..1511, 1574..1708, 1708..1863, 1751..1864		

Seq. No.	17531	Seq. ID	OJ991216_12.0125.C17
Gene No.	36839	Strand	+
Start	468	End	3564
Name	OJ991216_12.0125.C17.o1.tm	Method	TBLASTX:Maize
Start	1156	End	1858
GI	none	Score	149
Exons	1156..1326, 1167..1340, 1338..1382, 1443..1511, 1559..1741, 1745..1858		

Seq. No.	17531	Seq. ID	OJ991216_12.0125.C17
Gene No.	36839	Strand	+
Start	468	End	3564
Name	OJ991216_12.0125.C17.o1.np	Method	AAT/NAP
Start	1171	End	3348
GI	6522608	Score	328
Exons	1171..1388, 1443..1862, 3285..3348		
GI Descrip.	(AL133298) receptor-like protein kinase homolog [Arabidopsis thaliana]		

Seq. No.	17531	Seq. ID	OJ991216_12.0125.C17
Gene No.	36839	Strand	+
Start	468	End	3564
Name	OJ991216_12.0125.C17.o2.tw	Method	TBLASTX:Wheat
Start	1452	End	1864
GI	none	Score	65
Exons	1452..1541, 1570..1740, 1574..1735, 1723..1863, 1724..1864		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36840	Strand	+
Start	605	End	1386
Name	OJ991216_12.0125.C19.o1.np	Method	AAT/NAP
Start	605	End	1386
GI	6002794	Score	1240
Exons	605..1386		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36841	Strand	+
Start	1862	End	6450
Name	OJ991216_12.0125.C19.o2.np	Method	AAT/NAP
Start	1862	End	6450
GI	4680179	Score	4501
Exons	1862..2933, 3036..6450		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o8.tw	Method	TBLASTX:Wheat
Start	2108	End	2473

GI	none	Score	259
Exons	2108..2473, 2113..2214		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o6.tm	Method	TBLASTX:Maize
Start	2354	End	2755
GI	none	Score	241
Exons	2354..2755		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o7.tm	Method	TBLASTX:Maize
Start	3064	End	3388
GI	none	Score	206
Exons	3064..3177, 3065..3388		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o7.tw	Method	TBLASTX:Wheat
Start	3070	End	3469
GI	none	Score	166
Exons	3070..3225, 3071..3292, 3301..3420, 3305..3469		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o4.tw	Method	TBLASTX:Wheat
Start	3646	End	4098
GI	none	Score	508
Exons	3646..4098, 3720..4070		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o5.tm	Method	TBLASTX:Maize
Start	3649	End	3915
GI	none	Score	287
Exons	3649..3915, 3729..3914		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o3.tm	Method	TBLASTX:Maize
Start	3985	End	4485
GI	none	Score	159
Exons	3985..4164, 4150..4485, 4276..4323, 4311..4463		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o1.ts	Method	TBLASTX:Soybean
Start	4039	End	4434
GI	none	Score	56

Exons	4039..4071, 4039..4071, 4075..4434, 4075..4383, 4191..4406		
Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o6.tw	Method	TBLASTX:Wheat
Start	4147	End	4443
GI	none	Score	369
Exons	4147..4443, 4191..4406		
Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o1.tw	Method	TBLASTX:Wheat
Start	4449	End	4875
GI	none	Score	603
Exons	4449..4838, 4450..4875, 4507..4860, 4511..4873		
Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o3.ts	Method	TBLASTX:Soybean
Start	4456	End	4701
GI	none	Score	214
Exons	4456..4701		
Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o2.tm	Method	TBLASTX:Maize
Start	4522	End	4875
GI	none	Score	471
Exons	4522..4875, 4524..4823		
Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o2.tw	Method	TBLASTX:Wheat
Start	4918	End	5442
GI	none	Score	580
Exons	4918..5442, 5070..5438		
Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o1.tc	Method	TBLASTX:Cress
Start	5149	End	5466
GI	none	Score	99
Exons	5149..5322, 5170..5268, 5323..5466, 5325..5450		
Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o2.ts	Method	TBLASTX:Soybean
Start	5235	End	5490
GI	none	Score	303
Exons	5235..5480, 5242..5490, 5362..5490		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o4.tm	Method	TBLASTX:Maize
Start	5288	End	5580
GI	none	Score	78
Exons	5288..5440, 5290..5580, 5301..5480, 5532..5576		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o3.tw	Method	TBLASTX:Wheat
Start	5449	End	6073
GI	none	Score	123
Exons	5449..5616, 5591..5932, 5592..5942, 5948..6073		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o1.tm	Method	TBLASTX:Maize
Start	5631	End	6223
GI	none	Score	220
Exons	5631..5795, 5636..5782, 5786..5929, 5787..5939, 5930..6223, 6019..6213, 6128..6223		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o5.tw	Method	TBLASTX:Wheat
Start	6074	End	6406
GI	none	Score	369
Exons	6074..6406, 6113..6181, 6169..6354, 6236..6385		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o8.tm	Method	TBLASTX:Maize
Start	6230	End	6391
GI	none	Score	193
Exons	6230..6388, 6233..6391		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o3.np	Method	AAT/NAP
Start	6614	End	8225
GI	6907086	Score	1174
Exons	6614..6822, 6941..7142, 7170..7395, 7456..8225		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17532	Seq. ID	OJ991216_12.0125.C19
Gene No.	36842	Strand	-
Start	7517	End	8225
Name	OJ991216_12.0125.C19.o2.gs	Method	GENSCAN
Start	7517	End	8086
GI	none	Score	.99

Exons	7517..8086		
Seq. No.	17533	Seq. ID	OJ991216_12.0125.C20
Gene No.	36843	Strand	-
Start	1	End	1330
Name	OJ991216_12.0125.C20.o1.np	Method	AAT/NAP
Start	1	End	527
GI	6907088	Score	553
Exons	1..214, 390..527		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	17533	Seq. ID	OJ991216_12.0125.C20
Gene No.	36843	Strand	-
Start	1	End	1330
Name	OJ991216_12.0125.C20.o1.gs	Method	GENSCAN
Start	285	End	1330
GI	none	Score	.56
Exons	285..701, 980..1330		
Seq. No.	17534	Seq. ID	OJ991216_12.0125.C21
Gene No.	36844	Strand	-
Start	1680	End	2364
Name	OJ991216_12.0125.C21.o1.gp	Method	AAT/GAP
Start	1680	End	2220
GI	61605_3.R1084	Score	418
Exons	1680..1934, 2179..2220		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	17534	Seq. ID	OJ991216_12.0125.C21
Gene No.	36844	Strand	-
Start	1680	End	2364
Name	OJ991216_12.0125.C21.o2.gp	Method	AAT/GAP
Start	1763	End	2364
GI	3761363	Score	849
Exons	1763..2364		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	17534	Seq. ID	OJ991216_12.0125.C21
Gene No.	36845	Strand	-
Start	2323	End	2710
Name	OJ991216_12.0125.C21.o1.np	Method	AAT/NAP
Start	2323	End	2710
GI	6063554	Score	134
Exons	2323..2495, 2599..2710		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	17535	Seq. ID	OJ991216_12.0125.C22
Gene No.	36846	Strand	+
Start	153	End	6139
Name	OJ991216_12.0125.C22.o1.np	Method	AAT/NAP
Start	153	End	3732
GI	6063554	Score	229
Exons	153..194, 2147..2412, 2472..2691, 2940..2989, 3557..3732		

GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	17535	Seq. ID	OJ991216_12.0125.C22
Gene No.	36846	Strand	+
Start	153	End	6139
Name	OJ991216_12.0125.C22.o2.np	Method	AAT/NAP
Start	1090	End	6139
GI	1076802	Score	145
Exons	1090..1113, 2017..2579, 4772..5171, 6003..6139		
GI Descrip.	extensin-like protein - maize gi\|600118\|emb\|CAA84230\| (Z34465) extensin-like protein [Zea mays] gi\|1096557\|prf\|\|2111476A extensin-like domain [Zea mays]		
Seq. No.	17535	Seq. ID	OJ991216_12.0125.C22
Gene No.	36847	Strand	-
Start	3812	End	5346
Name	OJ991216_12.0125.C22.o2.gs	Method	GENSCAN
Start	3812	End	5346
GI	none	Score	.72
Exons	3812..3894, 3961..4162, 5031..5168, 5244..5274, 5279..5346		
Seq. No.	17536	Seq. ID	OJ991216_12.0125.C25
Gene No.	36848	Strand	+
Start	89	End	379
Name	OJ991216_12.0125.C25.o1.gs	Method	GENSCAN
Start	89	End	379
GI	none	Score	.72
Exons	89..379		
Seq. No.	17537	Seq. ID	OJ991216_12.0125.C26
Gene No.	36849	Strand	+
Start	1056	End	1169
Name	OJ991216_12.0125.C26.o1.np	Method	AAT/NAP
Start	1056	End	1169
GI	6721547	Score	89
Exons	1056..1169		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	17538	Seq. ID	OJ991216_12.0125.C27
Gene No.	36850	Strand	-
Start	463	End	636
Name	OJ991216_12.0125.C27.o1.gs	Method	GENSCAN
Start	463	End	636
GI	none	Score	.67
Exons	463..636		
Seq. No.	17539	Seq. ID	OJ991216_12.0125.C28
Gene No.	36851	Strand	+
Start	57	End	616
Name	OJ991216_12.0125.C28.o1.gs	Method	GENSCAN
Start	57	End	515
GI	none	Score	.66
Exons	57..515		
Seq. No.	17539	Seq. ID	OJ991216_12.0125.C28

Gene No.	36851	Strand	+
Start	57	End	616
Name	OJ991216_12.0125.C28.o1.np	Method	AAT/NAP
Start	120	End	616
GI	2340160	Score	759
Exons	120..616		
GI Descrip.	(U95013) putative transposase [Acinetobacter haemolyticus]		

Seq. No.	17540	Seq. ID	OJ991216_12.0125.C29
Gene No.	36852	Strand	-
Start	1	End	1363
Name	OJ991216_12.0125.C29.o1.gp	Method	AAT/GAP
Start	1	End	1363
GI	342_1.R1084	Score	2262
Exons	1..1363		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	17540	Seq. ID	OJ991216_12.0125.C29
Gene No.	36852	Strand	-
Start	1	End	1363
Name	OJ991216_12.0125.C29.o1.np	Method	AAT/NAP
Start	1	End	1363
GI	4680203	Score	1775
Exons	1..1363		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17540	Seq. ID	OJ991216_12.0125.C29
Gene No.	36852	Strand	-
Start	1	End	1363
Name	OJ991216_12.0125.C29.o2.ts	Method	TBLASTX:Soybean
Start	8	End	217
GI	none	Score	54
Exons	8..217, 33..131		

Seq. No.	17540	Seq. ID	OJ991216_12.0125.C29
Gene No.	36852	Strand	-
Start	1	End	1363
Name	OJ991216_12.0125.C29.o1.tm	Method	TBLASTX:Maize
Start	47	End	505
GI	none	Score	104
Exons	47..241, 251..505, 251..493		

Seq. No.	17540	Seq. ID	OJ991216_12.0125.C29
Gene No.	36852	Strand	-
Start	1	End	1363
Name	OJ991216_12.0125.C29.o1.tw	Method	TBLASTX:Wheat
Start	81	End	550
GI	none	Score	173
Exons	81..287, 81..290, 86..289, 86..310, 290..388, 291..383, 392..496, 396..485, 497..550, 498..542		

Seq. No.	17540	Seq. ID	OJ991216_12.0125.C29
Gene No.	36852	Strand	-
Start	1	End	1363
Name	OJ991216_12.0125.C29.o1.tc	Method	TBLASTX:Cress
Start	338	End	686

GI	none	Score	88
Exons	338..679, 357..494, 534..686		

Seq. No.	17540	Seq. ID	OJ991216_12.0125.C29
Gene No.	36852	Strand	-
Start	1	End	1363
Name	OJ991216_12.0125.C29.o1.ts	Method	TBLASTX:Soybean
Start	419	End	848
GI	none	Score	121
Exons	419..715, 437..661, 710..772, 765..848, 773..847		

Seq. No.	17540	Seq. ID	OJ991216_12.0125.C29
Gene No.	36852	Strand	-
Start	1	End	1363
Name	OJ991216_12.0125.C29.o2.tw	Method	TBLASTX:Wheat
Start	769	End	1120
GI	none	Score	187
Exons	769..1020, 779..1030, 780..1022, 1013..1120		

Seq. No.	17540	Seq. ID	OJ991216_12.0125.C29
Gene No.	36852	Strand	-
Start	1	End	1363
Name	OJ991216_12.0125.C29.o2.np	Method	AAT/NAP
Start	1142	End	1363
GI	5852182	Score	312
Exons	1142..1363		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	17541	Seq. ID	OJ991216_12.0125.C30
Gene No.	36853	Strand	+
Start	201	End	384
Name	OJ991216_12.0125.C30.o1.gs	Method	GENSCAN
Start	201	End	384
GI	none	Score	.98
Exons	201..384		

Seq. No.	17542	Seq. ID	OJ991216_12.0125.C32
Gene No.	36854	Strand	+
Start	1	End	1979
Name	OJ991216_12.0125.C32.o1.np	Method	AAT/NAP
Start	1	End	1979
GI	5441880	Score	912
Exons	1..294, 371..629, 1876..1979		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	17542	Seq. ID	OJ991216_12.0125.C32
Gene No.	36854	Strand	+
Start	1	End	1979
Name	OJ991216_12.0125.C32.o1.tm	Method	TBLASTX:Maize
Start	20	End	542
GI	none	Score	62
Exons	20..97, 128..256, 363..440, 477..542		

Seq. No.	17542	Seq. ID	OJ991216_12.0125.C32
Gene No.	36854	Strand	+

Start	1	End	1979
Name	OJ991216_12.0125.C32.o1.gs	Method	GENSCAN
Start	65	End	697
GI	none	Score	.81
Exons	65..294, 371..629, 686..697		

Seq. No.	17542	Seq. ID	OJ991216_12.0125.C32
Gene No.	36854	Strand	+
Start	1	End	1979
Name	OJ991216_12.0125.C32.o1.gp	Method	AAT/GAP
Start	122	End	621
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	122..294, 371..621		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	17543	Seq. ID	OJ991216_12.0125.C33
Gene No.	36855	Strand	+
Start	93	End	233
Name	OJ991216_12.0125.C33.o1.gs	Method	GENSCAN
Start	93	End	233
GI	none	Score	.77
Exons	93..233		

Seq. No.	17544	Seq. ID	OJ991216_12.0125.C34
Gene No.	36856	Strand	+
Start	1	End	695
Name	OJ991216_12.0125.C34.o1.gp	Method	AAT/GAP
Start	1	End	695
GI	342_1.R1084	Score	1233
Exons	1..695		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	17544	Seq. ID	OJ991216_12.0125.C34
Gene No.	36856	Strand	+
Start	1	End	695
Name	OJ991216_12.0125.C34.o1.np	Method	AAT/NAP
Start	1	End	695
GI	4680203	Score	638
Exons	1..695		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17544	Seq. ID	OJ991216_12.0125.C34
Gene No.	36857	Strand	-
Start	218	End	691
Name	OJ991216_12.0125.C34.o1.tw	Method	TBLASTX:Wheat
Start	3	End	691
GI	none	Score	234
Exons	3..266, 3..266, 34..309, 219..341, 302..346, 306..341, 349..444, 353..412, 391..531, 392..532, 460..540, 545..625, 614..691, 640..690		

Seq. No.	17544	Seq. ID	OJ991216_12.0125.C34
Gene No.	36857	Strand	-
Start	218	End	691

Name	OJ991216_12.0125.C34.o1.gs	Method	GENSCAN
Start	218	End	515
GI	none	Score	.83
Exons	218..389, 465..515		

Seq. No.	17545	Seq. ID	OJ991116_06.0104.C1
Gene No.	36858	Strand	-
Start	1	End	1589
Name	OJ991116_06.0104.C1.o1.np	Method	AAT/NAP
Start	1	End	1589
GI	2252843	Score	1124
Exons	1..1589		
GI Descrip.	(AF013293) No definition line found [Arabidopsis thaliana] gi\|6049885\|gb\|AAF02800.1\|AF195115_20 (AF195115) No definition line found [Arabidopsis thaliana]		

Seq. No.	17545	Seq. ID	OJ991116_06.0104.C1
Gene No.	36858	Strand	-
Start	1	End	1589
Name	OJ991116_06.0104.C1.o1.gs	Method	GENSCAN
Start	96	End	1514
GI	none	Score	.64
Exons	96..1514		

Seq. No.	17545	Seq. ID	OJ991116_06.0104.C1
Gene No.	36858	Strand	-
Start	1	End	1589
Name	OJ991116_06.0104.C1.o1.ts	Method	TBLASTX:Soybean
Start	517	End	931
GI	none	Score	83
Exons	517..576, 555..749, 561..656, 748..927, 749..931	568..747, 602..757, 743..874,	

Seq. No.	17545	Seq. ID	OJ991116_06.0104.C1
Gene No.	36858	Strand	-
Start	1	End	1589
Name	OJ991116_06.0104.C1.o1.tm	Method	TBLASTX:Maize
Start	589	End	864
GI	none	Score	155
Exons	589..762, 605..757, 775..864,	785..859	

Seq. No.	17545	Seq. ID	OJ991116_06.0104.C1
Gene No.	36858	Strand	-
Start	1	End	1589
Name	OJ991116_06.0104.C1.o2.tm	Method	TBLASTX:Maize
Start	1417	End	1588
GI	none	Score	118
Exons	1417..1587, 1421..1588		

Seq. No.	17546	Seq. ID	OJ991116_06.0104.C3
Gene No.	36859	Strand	-
Start	189	End	1189
Name	OJ991116_06.0104.C3.o1.tm	Method	TBLASTX:Maize
Start	154	End	1189
GI	none	Score	40
Exons	154..303, 155..187, 232..270, 1080..1187, 1081..1188, 1082..1189	254..307, 872..1189, 873..1037,	

Seq. No.	17546	Seq. ID	OJ991116_06.0104.C3
Gene No.	36859	Strand	-
Start	189	End	1189
Name	OJ991116_06.0104.C3.o1.gs	Method	GENSCAN
Start	189	End	1129
GI	none	Score	.67
Exons	189..304, 873..1129		

Seq. No.	17546	Seq. ID	OJ991116_06.0104.C3
Gene No.	36859	Strand	-
Start	189	End	1189
Name	OJ991116_06.0104.C3.o1.tw	Method	TBLASTX:Wheat
Start	220	End	1189
GI	none	Score	63
Exons	220..300, 231..308, 871..1035, 872..1189, 873..1037, 886..1050, 1080..1187, 1085..1189		

Seq. No.	17547	Seq. ID	OJ991116_06.0104.C5
Gene No.	36860	Strand	+
Start	534	End	681
Name	OJ991116_06.0104.C5.o1.ts	Method	TBLASTX:Soybean
Start	533	End	681
GI	none	Score	229
Exons	533..676, 534..680, 541..681, 543..680		

Seq. No.	17547	Seq. ID	OJ991116_06.0104.C5
Gene No.	36860	Strand	+
Start	534	End	681
Name	OJ991116_06.0104.C5.o1.gs	Method	GENSCAN
Start	534	End	679
GI	none	Score	.8
Exons	534..679		

Seq. No.	17547	Seq. ID	OJ991116_06.0104.C5
Gene No.	36860	Strand	+
Start	534	End	681
Name	OJ991116_06.0104.C5.o1.np	Method	AAT/NAP
Start	534	End	680
GI	6456164	Score	188
Exons	534..680		
GI Descrip.	(AC011622) putative UDP-N-acetylmuramoylalanyl-D-glutamate--2,6-diaminopimelate ligase [Arabidopsis thaliana]		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36861	Strand	+
Start	70	End	2218
Name	OJ991116_06.0104.C6.o1.np	Method	AAT/NAP
Start	70	End	2218
GI	6850906	Score	326
Exons	70..160, 588..709, 813..945, 1062..1186, 1296..1359, 1464..1619, 1707..1868, 2005..2218		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36861	Strand	+

Start	70	End	2218
Name	OJ991116_06.0104.C6.o1.gs	Method	GENSCAN
Start	588	End	2202
GI	none	Score	.88
Exons	588..709, 813..917, 980..1127, 1219..1359, 1464..1868, 2005..2202		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36862	Strand	+
Start	3069	End	7752
Name	OJ991116_06.0104.C6.o2.np	Method	AAT/NAP
Start	3069	End	7752
GI	4581108	Score	2568
Exons	3069..3088, 5425..7752		
GI Descrip.	(AC005825) putative chloroplast outer membrane protein [Arabidopsis thaliana]		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36862	Strand	+
Start	3069	End	7752
Name	OJ991116_06.0104.C6.o2.gs	Method	GENSCAN
Start	4713	End	7739
GI	none	Score	.98
Exons	4713..7739		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36862	Strand	+
Start	3069	End	7752
Name	OJ991116_06.0104.C6.o1.gp	Method	AAT/GAP
Start	6905	End	7270
GI	LIB3434-013-P1-K1-B7	Score	684
Exons	6905..7270		
GI Descrip.	'4581108/gb\|AAD24598.1\|AC005825_5 1.0e-47 (AC005825) putative chloroplast outer membrane protein 86,also very similar to GTP-inding protein from pea (GB:L36857) [Arabidopsis thaliana]'		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36863	Strand	+
Start	7667	End	8022
Name	OJ991116_06.0104.C6.o2.gp	Method	AAT/GAP
Start	7667	End	8022
GI	none	Score	681
Exons	7667..8022		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36864	Strand	+
Start	8934	End	11351
Name	OJ991116_06.0104.C6.o4.ts	Method	TBLASTX:Soybean
Start	1836	End	2172
GI	none	Score	48
Exons	1836..1868, 1983..2168, 1987..2172		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36864	Strand	+
Start	8934	End	11351
Name	OJ991116_06.0104.C6.o3.ts	Method	TBLASTX:Soybean
Start	5622	End	6029

GI	none	Score	203
Exons	5622..5798, 5622..5819, 5635..5799, 5744..6028, 5784..6029		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36864	Strand	+
Start	8934	End	11351
Name	OJ991116_06.0104.C6.o1.tc	Method	TBLASTX:Cress
Start	5625	End	6392
GI	none	Score	103
Exons	5625..5747, 5628..5753, 5787..6371, 5792..6034, 5871..6035, 6068..6370, 6111..6371, 6357..6392, 6362..6388		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36864	Strand	+
Start	8934	End	11351
Name	OJ991116_06.0104.C6.o1.tm	Method	TBLASTX:Maize
Start	5628	End	7718
GI	none	Score	129
Exons	5628..5768, 5663..5758, 5790..6539, 5791..5943, 5837..6484, 6072..6524, 6554..6598, 6562..6666, 6699..6818, 6722..6856, 6889..7062, 6903..7718, 6920..7009, 6946..7077, 7115..7591, 7230..7700, 7619..7702		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36864	Strand	+
Start	8934	End	11351
Name	OJ991116_06.0104.C6.o2.ts	Method	TBLASTX:Soybean
Start	6029	End	6968
GI	none	Score	354
Exons	6029..6343, 6030..6344, 6348..6371, 6359..6490, 6360..6527, 6554..6583, 6699..6812, 6903..6968		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36864	Strand	+
Start	8934	End	11351
Name	OJ991116_06.0104.C6.o2.tc	Method	TBLASTX:Cress
Start	6903	End	7220
GI	none	Score	283
Exons	6903..7220		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36864	Strand	+
Start	8934	End	11351
Name	OJ991116_06.0104.C6.o1.tw	Method	TBLASTX:Wheat
Start	6906	End	7067
GI	none	Score	187
Exons	6906..7067, 6920..7009		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36864	Strand	+
Start	8934	End	11351
Name	OJ991116_06.0104.C6.o1.ts	Method	TBLASTX:Soybean
Start	6969	End	7718
GI	none	Score	73
Exons	6969..7019, 7017..7718, 7023..7697, 7094..7714		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6

Gene No.	36864	Strand	+
Start	8934	End	11351
Name	OJ991116_06.0104.C6.o3.gs	Method	GENSCAN
Start	8934	End	11351
GI	none	Score	.67
Exons	8934..9216, 10038..10159, 10242..10363, 10447..10551, 10725..10893, 10929..11135, 11211..11351		

Seq. No.	17548	Seq. ID	OJ991116_06.0104.C6
Gene No.	36864	Strand	+
Start	8934	End	11351
Name	OJ991116_06.0104.C6.o3.np	Method	AAT/NAP
Start	9015	End	11105
GI	6850832	Score	143
Exons	9015..9119, 9147..9213, 10038..10159, 10242..10363, 10447..10575, 10702..10875, 10997..11105		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	17549	Seq. ID	OJ991116_06.0104.C7
Gene No.	36865	Strand	-
Start	1	End	1072
Name	OJ991116_06.0104.C7.o1.np	Method	AAT/NAP
Start	1	End	1072
GI	6456164	Score	769
Exons	1..1072		
GI Descrip.	(AC011622) putative UDP-N-acetylmuramoylalanyl-D-glutamate--2,6-diaminopimelate ligase [Arabidopsis thaliana]		

Seq. No.	17549	Seq. ID	OJ991116_06.0104.C7
Gene No.	36865	Strand	-
Start	1	End	1072
Name	OJ991116_06.0104.C7.o2.ts	Method	TBLASTX:Soybean
Start	1	End	148
GI	none	Score	73
Exons	1..147, 6..122, 8..148		

Seq. No.	17549	Seq. ID	OJ991116_06.0104.C7
Gene No.	36865	Strand	-
Start	1	End	1072
Name	OJ991116_06.0104.C7.o1.gs	Method	GENSCAN
Start	8	End	1022
GI	none	Score	.46
Exons	8..75, 126..1022		

Seq. No.	17549	Seq. ID	OJ991116_06.0104.C7
Gene No.	36865	Strand	-
Start	1	End	1072
Name	OJ991116_06.0104.C7.o1.ts	Method	TBLASTX:Soybean
Start	384	End	803
GI	none	Score	72
Exons	384..698, 532..657, 708..803		

Seq. No.	17549	Seq. ID	OJ991116_06.0104.C7
Gene No.	36865	Strand	-
Start	1	End	1072
Name	OJ991116_06.0104.C7.o1.tm	Method	TBLASTX:Maize

Start	458	End	743
GI	none	Score	187
Exons	458..613, 459..743, 459..743		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36866	Strand	+
Start	7470	End	10944
Name	OJ991116_06.0104.C8.o2.gs	Method	GENSCAN
Start	7470	End	10866
GI	none	Score	.71
Exons	7470..8557, 8601..10403, 10500..10866		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36866	Strand	+
Start	7470	End	10944
Name	OJ991116_06.0104.C8.o2.np	Method	AAT/NAP
Start	7470	End	10416
GI	5902444	Score	4878
Exons	7470..10416		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36866	Strand	+
Start	7470	End	10944
Name	OJ991116_06.0104.C8.o3.np	Method	AAT/NAP
Start	10483	End	10944
GI	5902445	Score	773
Exons	10483..10944		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36867	Strand	-
Start	212	End	3134
Name	OJ991116_06.0104.C8.o1.gs	Method	GENSCAN
Start	212	End	3130
GI	none	Score	.74
Exons	212..334, 1531..1605, 2161..2220, 2274..2411, 2527..2702, 3076..3130		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36867	Strand	-
Start	212	End	3134
Name	OJ991116_06.0104.C8.o1.np	Method	AAT/NAP
Start	840	End	3133
GI	6688926	Score	199
Exons	840..939, 1523..1616, 2212..2411, 2527..2642, 2762..2843, 2918..2988, 3076..3133		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36867	Strand	-
Start	212	End	3134
Name	OJ991116_06.0104.C8.o2.tm	Method	TBLASTX:Maize
Start	2271	End	2698
GI	none	Score	59
Exons	2271..2345, 2275..2346, 2277..2345, 2346..2420, 2355..2396, 2360..2398, 2533..2643, 2535..2684, 2536..2682, 2537..2698		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36867	Strand	-
Start	212	End	3134
Name	OJ991116_06.0104.C8.o1.tc	Method	TBLASTX:Cress
Start	2349	End	3028
GI	none	Score	63
Exons	2349..2411, 2503..2646, 2585..2644, 2766..2849, 2915..3028		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36867	Strand	-
Start	212	End	3134
Name	OJ991116_06.0104.C8.o1.ts	Method	TBLASTX:Soybean
Start	2349	End	2986
GI	none	Score	76
Exons	2349..2411, 2519..2644, 2533..2646, 2766..2849, 2915..2986		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36867	Strand	-
Start	212	End	3134
Name	OJ991116_06.0104.C8.o3.tm	Method	TBLASTX:Maize
Start	2761	End	3134
GI	none	Score	120
Exons	2761..2844, 2763..2849, 2766..2849, 2914..3012, 2915..3025, 2916..2987, 3075..3134, 3077..3133		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36868	Strand	
Start	8772	End	9174
Name	OJ991116_06.0104.C8.o3.tw	Method	TBLASTX:Wheat
Start	8772	End	9174
GI	none	Score	288
Exons	8772..8825, 8773..9174, 8898..9041		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36869	Strand	
Start	9751	End	10208
Name	OJ991116_06.0104.C8.o2.tw	Method	TBLASTX:Wheat
Start	9751	End	10208
GI	none	Score	149
Exons	9751..9927, 9972..10208, 9976..10206		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36869	Strand	
Start	9751	End	10208
Name	OJ991116_06.0104.C8.o4.tm	Method	TBLASTX:Maize
Start	10059	End	10206
GI	none	Score	183
Exons	10059..10205, 10060..10206		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36870	Strand	
Start	10428	End	10913
Name	OJ991116_06.0104.C8.o1.tw	Method	TBLASTX:Wheat
Start	10428	End	10878
GI	none	Score	469
Exons	10428..10844, 10429..10878		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36870	Strand	
Start	10428	End	10913
Name	OJ991116_06.0104.C8.o2.ts	Method	TBLASTX:Soybean
Start	10468	End	10833
GI	none	Score	135
Exons	10468..10692, 10699..10833		

Seq. No.	17550	Seq. ID	OJ991116_06.0104.C8
Gene No.	36870	Strand	
Start	10428	End	10913
Name	OJ991116_06.0104.C8.o1.tm	Method	TBLASTX:Maize
Start	10558	End	10913
GI	none	Score	305
Exons	10558..10851, 10599..10853, 10865..10903, 10869..10913		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36871	Strand	+
Start	1	End	2634
Name	OJ991116_06.0104.C9.o1.np	Method	AAT/NAP
Start	1	End	2631
GI	5902445	Score	4494
Exons	1..2631		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36871	Strand	+
Start	1	End	2634
Name	OJ991116_06.0104.C9.o1.gs	Method	GENSCAN
Start	7	End	2634
GI	none	Score	1
Exons	7..2634		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36872	Strand	+
Start	9543	End	10184
Name	OJ991116_06.0104.C9.o3.gs	Method	GENSCAN
Start	9543	End	10184
GI	none	Score	.71
Exons	9543..10184		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36873	Strand	+
Start	10760	End	12015
Name	OJ991116_06.0104.C9.o4.gs	Method	GENSCAN
Start	10760	End	12015
GI	none	Score	.63
Exons	10760..11150, 11321..12015		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36874	Strand	+
Start	12073	End	12738
Name	OJ991116_06.0104.C9.o5.gs	Method	GENSCAN
Start	12073	End	12738
GI	none	Score	1
Exons	12073..12738		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36875	Strand	+
Start	12802	End	15892
Name	OJ991116_06.0104.C9.o4.np	Method	AAT/NAP
Start	12802	End	15892
GI	5902445	Score	2998
Exons	12802..15892		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36875	Strand	+
Start	12802	End	15892
Name	OJ991116_06.0104.C9.o6.gs	Method	GENSCAN
Start	12802	End	15851
GI	none	Score	.53
Exons	12802..13554, 13641..14419, 14431..15285, 15397..15588, 15617..15851		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36876	Strand	-
Start	2950	End	8429
Name	OJ991116_06.0104.C9.o2.gs	Method	GENSCAN
Start	2950	End	8290
GI	none	Score	.79
Exons	2950..3398, 3471..3575, 3648..3837, 3913..4100, 4247..4533, 4585..4865, 4991..5914, 8057..8127, 8236..8290		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36876	Strand	-
Start	2950	End	8429
Name	OJ991116_06.0104.C9.o2.np	Method	AAT/NAP
Start	2953	End	5875
GI	6691716	Score	2363
Exons	2953..3398, 3471..3575, 3726..3837, 3913..4107, 4284..4533, 4615..4793, 4991..5875		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36876	Strand	-
Start	2950	End	8429
Name	OJ991116_06.0104.C9.o3.np	Method	AAT/NAP
Start	5612	End	8293
GI	6688926	Score	149
Exons	5612..5735, 7368..7431, 7546..7661, 7902..7983, 8057..8127, 8236..8293		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36876	Strand	-
Start	2950	End	8429
Name	OJ991116_06.0104.C9.o1.gp	Method	AAT/GAP
Start	7759	End	8429
GI	uC-osflcyp011b03b1	Score	940
Exons	7759..8127, 8236..8298, 8372..8429		

GI Descrip. '1421751 3.0e-12 (U60592) putative ORF; conserved in 5'' leaders of plant SAMdC [Pisum sativum]'

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o6.tm	Method	TBLASTX:Maize
Start	1	End	13464
GI	none	Score	114
Exons	1..198, 13237..13464		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o2.tw	Method	TBLASTX:Wheat
Start	52	End	13736
GI	none	Score	444
Exons	52..471, 96..476, 117..476, 13318..13626, 13318..13632, 13428..13643, 13626..13736, 13626..13703		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o1.ts	Method	TBLASTX:Soybean
Start	130	End	13793
GI	none	Score	316
Exons	130..531, 147..290, 327..500, 13372..13626, 13431..13556, 13626..13793		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o3.tm	Method	TBLASTX:Maize
Start	198	End	13808
GI	none	Score	273
Exons	198..452, 199..453, 474..605, 475..618, 616..642, 13464..13613, 13465..13626, 13626..13715, 13734..13808		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o7.tw	Method	TBLASTX:Wheat
Start	480	End	14008
GI	none	Score	269
Exons	480..557, 481..762, 616..750, 668..766, 13742..13810, 13743..13811, 13815..14006, 13818..13937, 13868..14008		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o2.ts	Method	TBLASTX:Soybean
Start	757	End	14390
GI	none	Score	86
Exons	757..861, 765..1145, 901..1143, 14007..14132, 14142..14390		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-

Start	16526	End	19086
Name	OJ991116_06.0104.C9.o5.tw	Method	TBLASTX:Wheat
Start	766	End	14423
GI	none	Score	414
Exons	766..1188, 774..1178, 14010..14111, 14015..14119, 14139..14423		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o7.tm	Method	TBLASTX:Maize
Start	1018	End	14507
GI	none	Score	193
Exons	1018..1272, 14265..14288, 14346..14507		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o10.tw	Method	TBLASTX:Wheat
Start	1204	End	1503
GI	none	Score	130
Exons	1204..1338, 1363..1503		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o1.tm	Method	TBLASTX:Maize
Start	1500	End	15073
GI	none	Score	446
Exons	1500..1811, 1501..1824, 1521..1835, 1815..1862, 1816..1863, 14768..15073, 14854..15072		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o4.tw	Method	TBLASTX:Wheat
Start	1504	End	15151
GI	none	Score	420
Exons	1504..1662, 1506..1817, 1507..1893, 1702..1893, 14768..15151, 14776..15150		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o9.tm	Method	TBLASTX:Maize
Start	1965	End	15499
GI	none	Score	89
Exons	1965..2072, 1966..2064, 2055..2129, 2059..2142, 2152..2238, 15227..15325, 15320..15400, 15416..15499		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o3.tw	Method	TBLASTX:Wheat
Start	2008	End	15883
GI	none	Score	346
Exons	2008..2499, 2028..2117, 2169..2270, 2485..2622, 15275..15727, 15424..15531, 15752..15883, 15757..15870		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o5.tm	Method	TBLASTX:Maize
Start	2350	End	15847
GI	none	Score	152
Exons	2350..2502, 2481..2585, 2482..2583, 15599..15763, 15764..15847		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o9.tw	Method	TBLASTX:Wheat
Start	5465	End	5755
GI	none	Score	59
Exons	5465..5755, 5486..5608		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o4.tm	Method	TBLASTX:Maize
Start	7901	End	8444
GI	none	Score	124
Exons	7901..7990, 7903..7989, 8054..8152, 8054..8125, 8055..8126, 8232..8291, 8235..8312, 8237..8293, 8270..8344, 8400..8444		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o8.tw	Method	TBLASTX:Wheat
Start	11077	End	11469
GI	none	Score	58
Exons	11077..11121, 11122..11235, 11133..11183, 11194..11469, 11274..11468		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o8.tm	Method	TBLASTX:Maize
Start	11116	End	11355
GI	none	Score	190
Exons	11116..11355		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o6.tw	Method	TBLASTX:Wheat
Start	12100	End	12555
GI	none	Score	144
Exons	12100..12282, 12108..12209, 12319..12555, 12321..12545		

Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o1.tw	Method	TBLASTX:Wheat
Start	12747	End	13202
GI	none	Score	525

Exons	12747..13202, 12748..13191		
Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o2.tm	Method	TBLASTX:Maize
Start	12877	End	13233
GI	none	Score	403
Exons	12877..13233, 12931..13179, 12939..13232		
Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o7.gs	Method	GENSCAN
Start	16526	End	19086
GI	none	Score	.75
Exons	16526..17025, 17123..17268, 17390..17697, 17863..18151, 18221..18528, 18596..18720, 18887..19086		
Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o5.np	Method	AAT/NAP
Start	17389	End	18996
GI	6721561	Score	1020
Exons	17389..18151, 18221..18279, 18349..18562, 18961..18996		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	17551	Seq. ID	OJ991116_06.0104.C9
Gene No.	36877	Strand	-
Start	16526	End	19086
Name	OJ991116_06.0104.C9.o6.np	Method	AAT/NAP
Start	17951	End	18907
GI	6721558	Score	133
Exons	17951..18153, 18596..18722, 18813..18907		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	17552	Seq. ID	OJ991116_06.0104.C10
Gene No.	36878	Strand	-
Start	1	End	460
Name	OJ991116_06.0104.C10.o1.np	Method	AAT/NAP
Start	1	End	460
GI	6721512	Score	57
Exons	1..38, 355..460		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	17552	Seq. ID	OJ991116_06.0104.C10
Gene No.	36878	Strand	-
Start	1	End	460
Name	OJ991116_06.0104.C10.o1.gs	Method	GENSCAN
Start	9	End	277

GI	none	Score	.6
Exons	9..137, 193..277		

Seq. No.	17553	Seq. ID	OJ991116_06.0104.C11
Gene No.	36879	Strand	+
Start	264	End	4595
Name	OJ991116_06.0104.C11.o1.gp	Method	AAT/GAP
Start	264	End	4595
GI	12863_1.R1084	Score	2210
Exons	264..352, 487..660, 782..957, 1053..1184, 1457..1555, 1965..2081, 3183..3278, 3692..3804, 4362..4595		
GI Descrip.	'3540183 1.0e-115 (AC004122) Highly Similar to branched-chain amino acid aminotransferase [Arabidopsis thaliana]'		

Seq. No.	17553	Seq. ID	OJ991116_06.0104.C11
Gene No.	36879	Strand	+
Start	264	End	4595
Name	OJ991116_06.0104.C11.o1.gs	Method	GENSCAN
Start	264	End	4482
GI	none	Score	.91
Exons	264..314, 847..957, 1053..1184, 1457..1555, 1965..2081, 3183..3278, 3692..3804, 4362..4482		

Seq. No.	17553	Seq. ID	OJ991116_06.0104.C11
Gene No.	36879	Strand	+
Start	264	End	4595
Name	OJ991116_06.0104.C11.o1.np	Method	AAT/NAP
Start	379	End	4479
GI	6319167	Score	1129
Exons	379..660, 782..957, 1053..1184, 1457..1555, 1965..2081, 3183..3278, 3692..3804, 4362..4479		
GI Descrip.	(AF193846) branched-chain amino acid aminotransferase [Solanum tuberosum]		

Seq. No.	17553	Seq. ID	OJ991116_06.0104.C11
Gene No.	36880	Strand	+
Start	5615	End	8082
Name	OJ991116_06.0104.C11.o2.gs	Method	GENSCAN
Start	5615	End	8082
GI	none	Score	.83
Exons	5615..5815, 5946..6034, 7992..8082		

Seq. No.	17553	Seq. ID	OJ991116_06.0104.C11
Gene No.	36881	Strand	-
Start	7373	End	7895
Name	OJ991116_06.0104.C11.o2.gp	Method	AAT/GAP
Start	7373	End	7895
GI	LIB3434-038-P1-K1-F1	Score	765
Exons	7373..7895		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	17553	Seq. ID	OJ991116_06.0104.C11
Gene No.	36882	Strand	-
Start	9079	End	9646
Name	OJ991116_06.0104.C11.o1.tm	Method	TBLASTX:Maize
Start	258	End	4502

GI	none	Score	88
Exons	258..332, 260..343, 263..343, 482..529, 493..531, 493..531, 529..657, 531..656, 539..661, 770..817, 778..819, 810..956, 823..960, 826..960, 830..976, 1053..1184, 1055..1186, 1439..1576, 1456..1557, 1457..1558, 1956..2072, 1958..2083, 1963..2082, 3182..3280, 3185..3280, 3186..3281, 3685..3804, 3686..3802, 3689..3805, 4374..4502, 4375..4482		

Seq. No.	17553	Seq. ID	OJ991116_06.0104.C11
Gene No.	36882	Strand	-
Start	9079	End	9646
Name	OJ991116_06.0104.C11.o1.tc	Method	TBLASTX:Cress
Start	502	End	1540
GI	none	Score	45
Exons	502..528, 503..529, 513..644, 528..677, 529..657, 770..811, 796..960, 828..959, 835..960, 1052..1204, 1053..1184, 1439..1540		

Seq. No.	17553	Seq. ID	OJ991116_06.0104.C11
Gene No.	36882	Strand	-
Start	9079	End	9646
Name	OJ991116_06.0104.C11.o1.ts	Method	TBLASTX:Soybean
Start	529	End	3805
GI	none	Score	143
Exons	529..657, 543..656, 770..811, 781..807, 823..960, 825..959, 835..960, 872..961, 884..976, 1045..1140, 1052..1186, 1053..1184, 1059..1190, 1431..1550, 1439..1573, 1456..1557, 1956..2072, 1958..2080, 1969..2082, 1975..2082, 3180..3281, 3182..3280, 3191..3319, 3689..3805, 3742..3792		

Seq. No.	17553	Seq. ID	OJ991116_06.0104.C11
Gene No.	36882	Strand	-
Start	9079	End	9646
Name	OJ991116_06.0104.C11.o3.gs	Method	GENSCAN
Start	9079	End	9646
GI	none	Score	.85
Exons	9079..9353, 9405..9646		

Seq. No.	17554	Seq. ID	OJ991116_06.0104.C12
Gene No.	36883	Strand	+
Start	707	End	2933
Name	OJ991116_06.0104.C12.o1.gs	Method	GENSCAN
Start	707	End	2933
GI	none	Score	.62
Exons	707..881, 968..1051, 1855..1963, 2363..2477, 2772..2933		

Seq. No.	17554	Seq. ID	OJ991116_06.0104.C12
Gene No.	36884	Strand	+
Start	3642	End	10242
Name	OJ991116_06.0104.C12.o2.gs	Method	GENSCAN
Start	3642	End	10242
GI	none	Score	.55
Exons	3642..3775, 3919..3992, 4304..4407, 4599..4791, 5100..5282, 6674..6900, 7011..7075, 8605..8824, 9011..9209, 10085..10242		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36885	Strand	+
Start	126	End	1877

Name	OJ991116_06.0104.C13.o1.gs	Method	GENSCAN
Start	126	End	1877
GI	none	Score	.85
Exons	126..163, 565..596, 1062..1224, 1400..1451, 1708..1877		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36886	Strand	+
Start	2911	End	9283
Name	OJ991116_06.0104.C13.o2.gs	Method	GENSCAN
Start	2911	End	5075
GI	none	Score	.8
Exons	2911..2949, 3332..3411, 4139..4373, 4561..4686, 4790..4884, 5042..5075		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36886	Strand	+
Start	2911	End	9283
Name	OJ991116_06.0104.C13.o1.np	Method	AAT/NAP
Start	4624	End	9283
GI	6069646	Score	352
Exons	4624..4686, 8901..9283		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36887	Strand	+
Start	12600	End	13962
Name	OJ991116_06.0104.C13.o2.np	Method	AAT/NAP
Start	12600	End	13962
GI	4538624	Score	550
Exons	12600..13962		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36888	Strand	+
Start	15883	End	16902
Name	OJ991116_06.0104.C13.o3.gp	Method	AAT/GAP
Start	15883	End	16902
GI	2310176	Score	819
Exons	15883..16165, 16730..16902		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36889	Strand	+
Start	16835	End	24146
Name	OJ991116_06.0104.C13.o5.gs	Method	GENSCAN
Start	16835	End	24146
GI	none	Score	.71
Exons	16835..16991, 17411..17469, 17716..19285, 19374..19501, 19584..19824, 19993..20288, 21659..22046, 22755..22864, 24078..24146		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36889	Strand	+
Start	16835	End	24146

Name	OJ991116_06.0104.C13.o4.gp	Method	AAT/GAP
Start	18697	End	19649
GI	none	Score	1439
Exons	18697..19285, 19374..19501, 19584..19649		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36890	Strand	+
Start	25795	End	29975
Name	OJ991116_06.0104.C13.o6.gs	Method	GENSCAN
Start	25795	End	29784
GI	none	Score	.7
Exons	25795..26007, 27692..27769, 27976..28047, 28565..28618, 28867..28974, 29443..29592, 29704..29784		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36890	Strand	+
Start	25795	End	29975
Name	OJ991116_06.0104.C13.o3.np	Method	AAT/NAP
Start	28534	End	29975
GI	2252843	Score	259
Exons	28534..28636, 28832..28974, 29443..29667, 29748..29975		
GI Descrip.	(AF013293) No definition line found [Arabidopsis thaliana] gi\|6049885\|gb\|AAF02800.1\|AF195115_20 (AF195115) No definition line found [Arabidopsis thaliana]		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36891	Strand	-
Start	5582	End	5662
Name	OJ991116_06.0104.C13.o1.gp	Method	AAT/GAP
Start	5582	End	5662
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	5582..5662		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36892	Strand	-
Start	7013	End	12239
Name	OJ991116_06.0104.C13.o3.gs	Method	GENSCAN
Start	7013	End	12239
GI	none	Score	.71
Exons	7013..7078, 10495..10581, 10906..11065, 11076..11228, 11748..11867, 11986..12239		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36893	Strand	-
Start	14943	End	15343
Name	OJ991116_06.0104.C13.o2.gp	Method	AAT/GAP
Start	14943	End	15343
GI	3106733	Score	646
Exons	14943..15343		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36894	Strand	-
Start	20574	End	21016
Name	OJ991116_06.0104.C13.o1.tc	Method	TBLASTX:Cress

Start	13119	End	14776
GI	none	Score	356
Exons	13119..13730, 13721..13822, 13996..14145, 14444..14563, 14678..14776		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36894	Strand	-
Start	20574	End	21016
Name	OJ991116_06.0104.C13.o2.ts	Method	TBLASTX:Soybean
Start	13356	End	13610
GI	none	Score	187
Exons	13356..13610, 13386..13550		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36894	Strand	-
Start	20574	End	21016
Name	OJ991116_06.0104.C13.o1.ts	Method	TBLASTX:Soybean
Start	14437	End	14764
GI	none	Score	162
Exons	14437..14562, 14438..14560, 14646..14756, 14672..14764, 14675..14746		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36894	Strand	-
Start	20574	End	21016
Name	OJ991116_06.0104.C13.o2.tw	Method	TBLASTX:Wheat
Start	14441	End	14806
GI	none	Score	115
Exons	14441..14563, 14678..14806		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36894	Strand	-
Start	20574	End	21016
Name	OJ991116_06.0104.C13.o2.tm	Method	TBLASTX:Maize
Start	17848	End	18423
GI	none	Score	44
Exons	17848..17889, 17938..18411, 17951..18208, 17965..18423, 18240..18416		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36894	Strand	-
Start	20574	End	21016
Name	OJ991116_06.0104.C13.o3.tm	Method	TBLASTX:Maize
Start	18424	End	18892
GI	none	Score	127
Exons	18424..18459, 18428..18586, 18428..18580, 18430..18591, 18511..18585, 18580..18708, 18594..18713, 18594..18722, 18711..18779, 18711..18752, 18712..18783, 18713..18787, 18788..18883, 18798..18884, 18815..18892		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36894	Strand	-
Start	20574	End	21016
Name	OJ991116_06.0104.C13.o1.tm	Method	TBLASTX:Maize
Start	19448	End	20474
GI	none	Score	37
Exons	19448..19489, 19449..19490, 19576..19710, 19594..19725,		

19695..19829, 19713..19829, 19974..20084, 19975..20295,
19976..20317, 19976..20332, 19977..20339, 20124..20336,
20302..20454, 20337..20474, 20337..20474

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36894	Strand	-
Start	20574	End	21016
Name	OJ991116_06.0104.C13.o1.tw	Method	TBLASTX:Wheat
Start	20014	End	20322
GI	none	Score	432
Exons	20014..20322, 20022..20321		

Seq. No.	17555	Seq. ID	OJ991116_06.0104.C13
Gene No.	36894	Strand	-
Start	20574	End	21016
Name	OJ991116_06.0104.C13.o5.gp	Method	AAT/GAP
Start	20574	End	21016
GI	none	Score	793
Exons	20574..21016		

Seq. No.	17556	Seq. ID	OJ991116_06.0104.C14
Gene No.	36895	Strand	+
Start	1	End	770
Name	OJ991116_06.0104.C14.o1.np	Method	AAT/NAP
Start	1	End	770
GI	2252843	Score	314
Exons	1..770		
GI Descrip.	(AF013293) No definition line found [Arabidopsis thaliana] gi\|6049885\|gb\|AAF02800.1\|AF195115_20 (AF195115) No definition line found [Arabidopsis thaliana]		

Seq. No.	17556	Seq. ID	OJ991116_06.0104.C14
Gene No.	36895	Strand	+
Start	1	End	770
Name	OJ991116_06.0104.C14.o1.gs	Method	GENSCAN
Start	132	End	518
GI	none	Score	.44
Exons	132..518		

Seq. No.	17557	Seq. ID	OJ991116_06.0104.C15
Gene No.	36896	Strand	-
Start	198	End	649
Name	OJ991116_06.0104.C15.o1.gs	Method	GENSCAN
Start	198	End	649
GI	none	Score	.71
Exons	198..213, 579..649		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36897	Strand	+
Start	326	End	2366
Name	OJ991206_01.0111.C1.o1.gs	Method	GENSCAN
Start	326	End	2366
GI	none	Score	.61
Exons	326..459, 892..1082, 1116..1381, 1501..1600, 1736..1865, 2296..2366		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1

Gene No.	36898	Strand	+
Start	2302	End	2397
Name	OJ991206_01.0111.C1.o1.gp	Method	AAT/GAP
Start	2302	End	2397
GI	none	Score	135
Exons	2302..2397		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36899	Strand	+
Start	10049	End	10312
Name	OJ991206_01.0111.C1.o3.gs	Method	GENSCAN
Start	10049	End	10312
GI	none	Score	.89
Exons	10049..10312		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36900	Strand	+
Start	11743	End	12748
Name	OJ991206_01.0111.C1.o4.gs	Method	GENSCAN
Start	11743	End	12434
GI	none	Score	.68
Exons	11743..12002, 12107..12434		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36900	Strand	+
Start	11743	End	12748
Name	OJ991206_01.0111.C1.o4.np	Method	AAT/NAP
Start	11743	End	12748
GI	3298550	Score	398
Exons	11743..12002, 12107..12444, 12722..12748		
GI Descrip.	(AC004681) putative cellulose synthase [Arabidopsis thaliana]		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36900	Strand	+
Start	11743	End	12748
Name	OJ991206_01.0111.C1.o2.gp	Method	AAT/GAP
Start	11749	End	12270
GI	uC-osf1M202046f02b1	Score	792
Exons	11749..12002, 12107..12270		
GI Descrip.	'4519589/dbj\|AB017542.1\|AB017542 5.0e-29 Oryza sativa tranposable elemet RMu2-IR36 DNA, complete sequence'		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36901	Strand	-
Start	1	End	497
Name	OJ991206_01.0111.C1.o1.np	Method	AAT/NAP
Start	1	End	497
GI	6016874	Score	288
Exons	1..335, 419..497		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36902	Strand	-
Start	896	End	1061
Name	OJ991206_01.0111.C1.o2.np	Method	AAT/NAP

Start	896	End	1061
GI	6907084	Score	153
Exons	896..1061		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36903	Strand	-
Start	2745	End	9419
Name	OJ991206_01.0111.C1.o3.np	Method	AAT/NAP
Start	2745	End	9419
GI	4680199	Score	457
Exons	2745..2795, 4652..4806, 4962..5071, 5148..5392, 9311..9419		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36903	Strand	-
Start	2745	End	9419
Name	OJ991206_01.0111.C1.o2.gs	Method	GENSCAN
Start	4402	End	7733
GI	none	Score	.54
Exons	4402..4509, 4652..4799, 6599..6818, 7265..7316, 7665..7733		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36903	Strand	-
Start	2745	End	9419
Name	OJ991206_01.0111.C1.o2.ts	Method	TBLASTX:Soybean
Start	4984	End	5403
GI	none	Score	35
Exons	4984..5028, 4985..5023, 5022..5072, 5029..5073, 5176..5391, 5192..5299, 5215..5403		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36903	Strand	-
Start	2745	End	9419
Name	OJ991206_01.0111.C1.o2.tm	Method	TBLASTX:Maize
Start	5037	End	5289
GI	none	Score	55
Exons	5037..5099, 5037..5078, 5146..5289, 5147..5287		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36903	Strand	-
Start	2745	End	9419
Name	OJ991206_01.0111.C1.o1.tw	Method	TBLASTX:Wheat
Start	5179	End	5391
GI	none	Score	75
Exons	5179..5385, 5179..5391, 5180..5389		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36904	Strand	
Start	11899	End	12389
Name	OJ991206_01.0111.C1.o1.tc	Method	TBLASTX:Cress
Start	11899	End	12383
GI	none	Score	105
Exons	11899..12003, 12105..12221, 12227..12370, 12228..12383		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36904	Strand	

Start	11899	End	12389
Name	OJ991206_01.0111.C1.o1.ts	Method	TBLASTX:Soybean
Start	11899	End	12389
GI	none	Score	84
Exons	11899..12003, 12117..12218, 12228..12389, 12239..12370		

Seq. No.	17558	Seq. ID	OJ991206_01.0111.C1
Gene No.	36904	Strand	
Start	11899	End	12389
Name	OJ991206_01.0111.C1.o1.tm	Method	TBLASTX:Maize
Start	11899	End	12389
GI	none	Score	85
Exons	11899..12003, 12114..12218, 12227..12370, 12228..12389		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36905	Strand	+
Start	1	End	1640
Name	OJ991206_01.0111.C2.o1.np	Method	AAT/NAP
Start	1	End	1637
GI	3298542	Score	487
Exons	1..39, 290..474, 567..971, 1148..1637		
GI Descrip.	(AC004681) putative cellulose synthase [Arabidopsis thaliana]		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36905	Strand	+
Start	1	End	1640
Name	OJ991206_01.0111.C2.o1.gs	Method	GENSCAN
Start	290	End	1640
GI	none	Score	.74
Exons	290..474, 567..839, 1083..1640		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36906	Strand	-
Start	1156	End	1778
Name	OJ991206_01.0111.C2.o1.gp	Method	AAT/GAP
Start	1156	End	1778
GI	37591_1.R1084	Score	1180
Exons	1156..1778		
GI Descrip.	'3298541 2.0e-18 (AC004681) putative cellulose synthase [Arabidopsis thaliana]'		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o2.ts	Method	TBLASTX:Soybean
Start	286	End	923
GI	none	Score	97
Exons	286..477, 563..733, 564..923		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o1.tm	Method	TBLASTX:Maize
Start	298	End	871
GI	none	Score	161
Exons	298..477, 321..476, 428..487, 559..864, 564..869, 564..866, 566..871		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o2.tc	Method	TBLASTX:Cress
Start	421	End	1301
GI	none	Score	44
Exons	421..477, 564..920, 564..677, 569..817, 1110..1301		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o3.tm	Method	TBLASTX:Maize
Start	1289	End	1643
GI	none	Score	276
Exons	1289..1552, 1290..1553, 1550..1630, 1551..1643		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o3.gs	Method	GENSCAN
Start	5247	End	10598
GI	none	Score	.56
Exons	5247..5578, 6234..6283, 6360..6504, 6638..6937, 7060..7227, 8878..10598		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o2.np	Method	AAT/NAP
Start	7652	End	10652
GI	3445397	Score	1515
Exons	7652..7689, 8773..10652		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o4.tm	Method	TBLASTX:Maize
Start	8766	End	8945
GI	none	Score	162
Exons	8766..8936, 8767..8937, 8768..8941, 8769..8945		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o1.tc	Method	TBLASTX:Cress
Start	8771	End	10531
GI	none	Score	83
Exons	8771..9013, 8829..9011, 9047..9577, 9048..9578, 9575..9766, 9591..9680, 9965..10087, 10133..10390, 10418..10531		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o3.ts	Method	TBLASTX:Soybean
Start	8795	End	9176

GI	none	Score	42
Exons	8795..8938, 9045..9083, 9047..9142, 9047..9175, 9073..9162, 9132..9176		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o5.tm	Method	TBLASTX:Maize
Start	9044	End	9241
GI	none	Score	115
Exons	9044..9241, 9132..9239		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o2.tw	Method	TBLASTX:Wheat
Start	9104	End	9517
GI	none	Score	115
Exons	9104..9166, 9167..9370, 9204..9380, 9365..9517		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o1.ts	Method	TBLASTX:Soybean
Start	9236	End	9682
GI	none	Score	142
Exons	9236..9388, 9237..9383, 9377..9676, 9377..9682, 9387..9680		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o2.tm	Method	TBLASTX:Maize
Start	9242	End	9688
GI	none	Score	127
Exons	9242..9367, 9243..9368, 9245..9370, 9247..9372, 9377..9571, 9387..9575, 9560..9688, 9561..9686		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o1.tw	Method	TBLASTX:Wheat
Start	9923	End	10322
GI	none	Score	94
Exons	9923..10309, 9932..10084, 10077..10322, 10092..10310		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o6.tm	Method	TBLASTX:Maize
Start	9959	End	10402
GI	none	Score	92
Exons	9959..10084, 10088..10210, 10202..10402		

Seq. No.	17559	Seq. ID	OJ991206_01.0111.C2
Gene No.	36907	Strand	-
Start	5247	End	10652
Name	OJ991206_01.0111.C2.o4.ts	Method	TBLASTX:Soybean

Start	10049	End	10309
GI	none	Score	113
Exons	10049..10309, 10050..10283		

Seq. No.	17560	Seq. ID	OJ991206_01.0111.C3
Gene No.	36908	Strand	+
Start	84	End	8658
Name	OJ991206_01.0111.C3.o1.gs	Method	GENSCAN
Start	84	End	8658
GI	none	Score	.45
Exons	84..223, 382..480, 1252..1446, 2009..2115, 2475..2643, 3589..3730, 4173..4346, 4604..4703, 6535..7081, 8208..8426, 8538..8658		

Seq. No.	17560	Seq. ID	OJ991206_01.0111.C3
Gene No.	36908	Strand	+
Start	84	End	8658
Name	OJ991206_01.0111.C3.o1.np	Method	AAT/NAP
Start	3274	End	4911
GI	6907086	Score	498
Exons	3274..4104, 4155..4436, 4587..4911		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17560	Seq. ID	OJ991206_01.0111.C3
Gene No.	36909	Strand	-
Start	1556	End	1980
Name	OJ991206_01.0111.C3.o1.gp	Method	AAT/GAP
Start	1556	End	1980
GI	4878407	Score	666
Exons	1556..1980		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	17561	Seq. ID	OJ991206_01.0111.C4
Gene No.	36910	Strand	+
Start	367	End	1359
Name	OJ991206_01.0111.C4.o1.gs	Method	GENSCAN
Start	367	End	1359
GI	none	Score	.76
Exons	367..439, 650..843, 1261..1359		

Seq. No.	17561	Seq. ID	OJ991206_01.0111.C4
Gene No.	36911	Strand	-
Start	4575	End	7425
Name	OJ991206_01.0111.C4.o2.gs	Method	GENSCAN
Start	4575	End	7333
GI	none	Score	.57
Exons	4575..4699, 4953..5055, 5554..5607, 7011..7159, 7189..7333		

Seq. No.	17561	Seq. ID	OJ991206_01.0111.C4
Gene No.	36911	Strand	-
Start	4575	End	7425
Name	OJ991206_01.0111.C4.o1.gp	Method	AAT/GAP
Start	5692	End	5990
GI	uC-osflcyp138d02a1	Score	598
Exons	5692..5990		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic		

DNA, chromosome 6, clone:P0514G12'

Seq. No.	17561	Seq. ID	OJ991206_01.0111.C4
Gene No.	36911	Strand	-
Start	4575	End	7425
Name	OJ991206_01.0111.C4.o1.np	Method	AAT/NAP
Start	5814	End	7425
GI	3445397	Score	455
Exons	5814..5898, 6949..7425		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	17561	Seq. ID	OJ991206_01.0111.C4
Gene No.	36911	Strand	-
Start	4575	End	7425
Name	OJ991206_01.0111.C4.o1.ts	Method	TBLASTX:Soybean
Start	6909	End	7423
GI	none	Score	74
Exons	6909..7100, 6960..7106, 7214..7342, 7214..7342, 7364..7423		

Seq. No.	17561	Seq. ID	OJ991206_01.0111.C4
Gene No.	36911	Strand	-
Start	4575	End	7425
Name	OJ991206_01.0111.C4.o1.tc	Method	TBLASTX:Cress
Start	6933	End	7423
GI	none	Score	78
Exons	6933..7175, 6988..7173, 7182..7397, 7214..7423		

Seq. No.	17561	Seq. ID	OJ991206_01.0111.C4
Gene No.	36911	Strand	-
Start	4575	End	7425
Name	OJ991206_01.0111.C4.o1.tm	Method	TBLASTX:Maize
Start	6942	End	7424
GI	none	Score	144
Exons	6942..7175, 6988..7173, 7211..7423, 7215..7424		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36912	Strand	+
Start	8451	End	9173
Name	OJ991206_01.0111.C5.o3.gs	Method	GENSCAN
Start	8451	End	9173
GI	none	Score	.66
Exons	8451..9173		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36913	Strand	+
Start	9577	End	10239
Name	OJ991206_01.0111.C5.o4.gs	Method	GENSCAN
Start	9577	End	10239
GI	none	Score	.97
Exons	9577..10239		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36914	Strand	+
Start	10303	End	16088
Name	OJ991206_01.0111.C5.o2.np	Method	AAT/NAP
Start	10303	End	12826
GI	5902445	Score	2366

Exons	10303..12136, 12176..12826		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36914	Strand	+
Start	10303	End	16088
Name	OJ991206_01.0111.C5.o5.gs	Method	GENSCAN
Start	10666	End	16088
GI	none	Score	.57
Exons	10666..11055, 11172..11700, 11934..12481, 12665..12868, 14550..15087, 15784..16088		
Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36915	Strand	-
Start	1	End	1792
Name	OJ991206_01.0111.C5.o1.np	Method	AAT/NAP
Start	1	End	1789
GI	3445397	Score	1227
Exons	1..1789		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		
Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36915	Strand	-
Start	1	End	1792
Name	OJ991206_01.0111.C5.o1.gs	Method	GENSCAN
Start	91	End	1792
GI	none	Score	.96
Exons	91..1792		
Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36916	Strand	-
Start	13499	End	15058
Name	OJ991206_01.0111.C5.o3.np	Method	AAT/NAP
Start	13499	End	15058
GI	6063554	Score	161
Exons	13499..13673, 14707..14768, 14853..15058		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o1.tc	Method	TBLASTX:Cress
Start	2	End	1186
GI	none	Score	93
Exons	2..220, 203..409, 617..739, 785..1036, 1073..1186		
Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o1.ts	Method	TBLASTX:Soybean
Start	20	End	433
GI	none	Score	141
Exons	20..319, 29..325, 30..323, 383..433		
Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5

Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o2.tm	Method	TBLASTX:Maize
Start	20	End	331
GI	none	Score	227
Exons	20..220, 30..218, 215..331, 216..329		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o3.tw	Method	TBLASTX:Wheat
Start	575	End	974
GI	none	Score	168
Exons	575..922, 575..961, 729..974, 741..962		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o2.ts	Method	TBLASTX:Soybean
Start	695	End	1096
GI	none	Score	105
Exons	695..961, 702..920, 968..1096, 969..1091		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o8.tw	Method	TBLASTX:Wheat
Start	5578	End	5976
GI	none	Score	61
Exons	5578..5628, 5629..5742, 5640..5732, 5701..5976, 5706..5927		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o4.tw	Method	TBLASTX:Wheat
Start	9604	End	10056
GI	none	Score	136
Exons	9604..9786, 9612..9785, 9796..10056, 9796..10041		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o1.tw	Method	TBLASTX:Wheat
Start	10248	End	10704
GI	none	Score	532
Exons	10248..10703, 10249..10704		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o1.tm	Method	TBLASTX:Maize
Start	10378	End	10734
GI	none	Score	394
Exons	10378..10734, 10440..10733		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-

Start	16704	End	17732
Name	OJ991206_01.0111.C5.o4.tm	Method	TBLASTX:Maize
Start	10738	End	11066
GI	none	Score	280
Exons	10738..11064, 10923..11066		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o2.tw	Method	TBLASTX:Wheat
Start	10819	End	11242
GI	none	Score	276
Exons	10819..11070, 10881..11078, 10917..11078, 11081..11242, 11082..11240		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o3.ts	Method	TBLASTX:Soybean
Start	10873	End	11297
GI	none	Score	171
Exons	10873..11061, 10917..11057, 11085..11297		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o6.tw	Method	TBLASTX:Wheat
Start	11388	End	11795
GI	none	Score	186
Exons	11388..11612, 11453..11614, 11622..11795, 11672..11794		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o4.ts	Method	TBLASTX:Soybean
Start	11511	End	11894
GI	none	Score	85
Exons	11511..11624, 11631..11894		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o9.tw	Method	TBLASTX:Wheat
Start	11798	End	12154
GI	none	Score	94
Exons	11798..11893, 11799..11897, 11909..12154, 11932..11973		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o3.tm	Method	TBLASTX:Maize
Start	12296	End	12601
GI	none	Score	365
Exons	12296..12601, 12313..12600		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-

Start	16704	End	17732
Name	OJ991206_01.0111.C5.o5.tw	Method	TBLASTX:Wheat
Start	12296	End	12675
GI	none	Score	351
Exons	12296..12673, 12304..12675		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o4.np	Method	AAT/NAP
Start	16704	End	17732
GI	5902445	Score	531
Exons	16704..17303, 17682..17732		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17562	Seq. ID	OJ991206_01.0111.C5
Gene No.	36917	Strand	-
Start	16704	End	17732
Name	OJ991206_01.0111.C5.o7.tw	Method	TBLASTX:Wheat
Start	16713	End	17302
GI	none	Score	75
Exons	16713..16844, 16714..16839, 16976..17302, 17064..17171, 17217..17288		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36918	Strand	+
Start	1	End	2532
Name	OJ991206_01.0111.C6.o1.np	Method	AAT/NAP
Start	1	End	2532
GI	4680179	Score	3853
Exons	1..2532		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36919	Strand	+
Start	5279	End	6846
Name	OJ991206_01.0111.C6.o3.gs	Method	GENSCAN
Start	5279	End	6846
GI	none	Score	.97
Exons	5279..5290, 6056..6286, 6376..6846		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36919	Strand	+
Start	5279	End	6846
Name	OJ991206_01.0111.C6.o2.np	Method	AAT/NAP
Start	6056	End	6843
GI	4512231	Score	1264
Exons	6056..6843		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36920	Strand	+
Start	7110	End	8871
Name	OJ991206_01.0111.C6.o4.gs	Method	GENSCAN
Start	7110	End	8774
GI	none	Score	.83
Exons	7110..8774		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36920	Strand	+
Start	7110	End	8871
Name	OJ991206_01.0111.C6.o3.np	Method	AAT/NAP
Start	7171	End	8871
GI	4680179	Score	1613
Exons	7171..8099, 8127..8871		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o7.tw	Method	TBLASTX:Wheat
Start	1	End	229
GI	none	Score	79
Exons	1..51, 4..48, 55..204, 63..200, 77..229, 119..229		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o4.tm	Method	TBLASTX:Maize
Start	64	End	564
GI	none	Score	116
Exons	64..201, 72..197, 262..564, 315..443		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o1.ts	Method	TBLASTX:Soybean
Start	118	End	513
GI	none	Score	57
Exons	118..150, 118..150, 154..207, 156..197, 262..513, 270..503		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o4.tw	Method	TBLASTX:Wheat
Start	265	End	528
GI	none	Score	373
Exons	265..528, 267..527		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o3.tw	Method	TBLASTX:Wheat
Start	529	End	954
GI	none	Score	599
Exons	529..954, 531..947		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o3.ts	Method	TBLASTX:Soybean
Start	535	End	783
GI	none	Score	206
Exons	535..783		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o2.tm	Method	TBLASTX:Maize
Start	601	End	954
GI	none	Score	463
Exons	601..954, 606..947		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o2.tw	Method	TBLASTX:Wheat
Start	982	End	1522
GI	none	Score	624
Exons	982..1521, 1164..1517, 1241..1522		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o1.tc	Method	TBLASTX:Cress
Start	1219	End	1545
GI	none	Score	81
Exons	1219..1401, 1402..1545, 1404..1544		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o2.ts	Method	TBLASTX:Soybean
Start	1309	End	1569
GI	none	Score	301
Exons	1309..1569, 1320..1568		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o3.tm	Method	TBLASTX:Maize
Start	1368	End	1659
GI	none	Score	152
Exons	1368..1655, 1368..1655, 1369..1659		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o1.tw	Method	TBLASTX:Wheat
Start	1528	End	2154
GI	none	Score	715
Exons	1528..2154, 1587..2033, 2094..2153		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o1.tm	Method	TBLASTX:Maize
Start	1707	End	2292
GI	none	Score	229
Exons	1707..1862, 1708..1869, 1722..1871, 1866..2030, 1867..2292, 2094..2291		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o5.tw	Method	TBLASTX:Wheat
Start	2154	End	2487
GI	none	Score	315
Exons	2154..2435, 2155..2487		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36921	Strand	-
Start	2941	End	3663
Name	OJ991206_01.0111.C6.o2.gs	Method	GENSCAN
Start	2941	End	3663
GI	none	Score	.5
Exons	2941..3663		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36922	Strand	
Start	7271	End	7469
Name	OJ991206_01.0111.C6.o9.tw	Method	TBLASTX:Wheat
Start	7271	End	7469
GI	none	Score	215
Exons	7271..7468, 7272..7469		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36923	Strand	
Start	7520	End	7871
Name	OJ991206_01.0111.C6.o6.tw	Method	TBLASTX:Wheat
Start	7520	End	7871
GI	none	Score	309
Exons	7520..7693, 7521..7871, 7669..7737		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36923	Strand	
Start	7520	End	7871
Name	OJ991206_01.0111.C6.o5.tm	Method	TBLASTX:Maize
Start	7521	End	7826
GI	none	Score	246
Exons	7521..7826		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36924	Strand	
Start	8205	End	8558
Name	OJ991206_01.0111.C6.o8.tw	Method	TBLASTX:Wheat
Start	8205	End	8558
GI	none	Score	256
Exons	8205..8558		

Seq. No.	17563	Seq. ID	OJ991206_01.0111.C6
Gene No.	36925	Strand	
Start	8562	End	8759
Name	OJ991206_01.0111.C6.o6.tm	Method	TBLASTX:Maize
Start	8562	End	8759
GI	none	Score	196
Exons	8562..8759, 8600..8758		

Seq. No.	17564	Seq. ID	OJ991206_01.0111.C7
Gene No.	36926	Strand	+
Start	1	End	2330
Name	OJ991206_01.0111.C7.o1.np	Method	AAT/NAP
Start	1	End	2330
GI	3298542	Score	227
Exons	1..29, 1369..1506, 1666..1785, 2068..2230, 2304..2330		
GI Descrip.	(AC004681) putative cellulose synthase [Arabidopsis thaliana]		

Seq. No.	17564	Seq. ID	OJ991206_01.0111.C7
Gene No.	36927	Strand	-
Start	457	End	2054
Name	OJ991206_01.0111.C7.o1.gs	Method	GENSCAN
Start	457	End	2054
GI	none	Score	.47
Exons	457..620, 1303..1434, 1611..1668, 2052..2054		

Seq. No.	17564	Seq. ID	OJ991206_01.0111.C7
Gene No.	36928	Strand	
Start	2076	End	2267
Name	OJ991206_01.0111.C7.o1.ts	Method	TBLASTX:Soybean
Start	2076	End	2267
GI	none	Score	219
Exons	2076..2258, 2077..2262, 2084..2266, 2085..2267		

Seq. No.	17565	Seq. ID	OJ991206_01.0111.C8
Gene No.	36929	Strand	-
Start	1160	End	4279
Name	OJ991206_01.0111.C8.o1.np	Method	AAT/NAP
Start	1160	End	3277
GI	6721561	Score	1163
Exons	1160..1925, 2008..2066, 2136..2333, 3209..3277		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17565	Seq. ID	OJ991206_01.0111.C8
Gene No.	36929	Strand	-
Start	1160	End	4279
Name	OJ991206_01.0111.C8.o2.np	Method	AAT/NAP
Start	1664	End	3325
GI	6721558	Score	218
Exons	1664..1877, 2400..2524, 3226..3325		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	17565	Seq. ID	OJ991206_01.0111.C8
Gene No.	36929	Strand	-
Start	1160	End	4279
Name	OJ991206_01.0111.C8.o3.np	Method	AAT/NAP
Start	2545	End	4279
GI	6721512	Score	89
Exons	2545..2598, 4033..4279		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17566	Seq. ID	OJ991206_01.0111.C9
Gene No.	36930	Strand	+
Start	2630	End	4938
Name	OJ991206_01.0111.C9.o1.gs	Method	GENSCAN
Start	2630	End	4938
GI	none	Score	.83
Exons	2630..3061, 3247..3400, 4301..4938		

Seq. No.	17567	Seq. ID	OJ991026_02.0118.C1
Gene No.	36931	Strand	-
Start	1	End	873
Name	OJ991026_02.0118.C1.o1.np	Method	AAT/NAP
Start	1	End	861
GI	4680203	Score	270
Exons	1..32, 370..861		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17567	Seq. ID	OJ991026_02.0118.C1
Gene No.	36931	Strand	-
Start	1	End	873
Name	OJ991026_02.0118.C1.o1.tw	Method	TBLASTX:Wheat
Start	424	End	873
GI	none	Score	39
Exons	424..477, 477..521, 544..684, 545..670, 709..873		

Seq. No.	17567	Seq. ID	OJ991026_02.0118.C1
Gene No.	36931	Strand	-
Start	1	End	873
Name	OJ991026_02.0118.C1.o1.gs	Method	GENSCAN
Start	490	End	705
GI	none	Score	.81
Exons	490..705		

Seq. No.	17567	Seq. ID	OJ991026_02.0118.C1
Gene No.	36931	Strand	-
Start	1	End	873
Name	OJ991026_02.0118.C1.o2.np	Method	AAT/NAP
Start	599	End	870
GI	6742729	Score	153
Exons	599..870		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o1.gs	Method	GENSCAN
Start	98	End	3964
GI	none	Score	.99
Exons	98..3964		

Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o1.np	Method	AAT/NAP
Start	101	End	4001
GI	4680179	Score	4925

Exons	101..3502, 3536..4001		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o6.tw	Method	TBLASTX:Wheat
Start	146	End	479
GI	none	Score	93
Exons	146..478, 167..475, 210..479		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o1.tm	Method	TBLASTX:Maize
Start	341	End	925
GI	none	Score	213
Exons	341..766, 342..767, 764..925, 771..923		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o1.tw	Method	TBLASTX:Wheat
Start	479	End	1105
GI	none	Score	55
Exons	479..1105, 482..604, 591..1049		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o4.tm	Method	TBLASTX:Maize
Start	974	End	1266
GI	none	Score	211
Exons	974..1264, 978..1265, 1078..1266		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o2.ts	Method	TBLASTX:Soybean
Start	1063	End	1324
GI	none	Score	159
Exons	1063..1194, 1064..1324, 1065..1319		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o1.tc	Method	TBLASTX:Cress
Start	1088	End	1405
GI	none	Score	78
Exons	1088..1231, 1089..1229, 1232..1405		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o2.tw	Method	TBLASTX:Wheat
Start	1112	End	1679
GI	none	Score	260

Exons	1112..1576, 1112..1648, 1116..1679		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o2.tm	Method	TBLASTX:Maize
Start	1670	End	2033
GI	none	Score	183
Exons	1670..2032, 1679..2032, 1683..2033		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o3.tw	Method	TBLASTX:Wheat
Start	1682	End	2104
GI	none	Score	349
Exons	1682..2104, 1683..2072		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o3.ts	Method	TBLASTX:Soybean
Start	1853	End	2098
GI	none	Score	66
Exons	1853..2098, 1953..2081		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o3.tm	Method	TBLASTX:Maize
Start	2069	End	2569
GI	none	Score	50
Exons	2069..2383, 2112..2162, 2190..2243, 2390..2569, 2415..2561		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o5.tw	Method	TBLASTX:Wheat
Start	2105	End	2407
GI	none	Score	272
Exons	2105..2407, 2121..2405, 2326..2406		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o1.ts	Method	TBLASTX:Soybean
Start	2120	End	2515
GI	none	Score	193
Exons	2120..2479, 2121..2411, 2439..2477, 2483..2515, 2484..2513		
Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o4.tw	Method	TBLASTX:Wheat
Start	2456	End	2942
GI	none	Score	218
Exons	2456..2833, 2459..2824, 2499..2942, 2888..2938		

Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o2.tc	Method	TBLASTX:Cress
Start	2492	End	2809
GI	none	Score	180
Exons	2492..2809		

Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o5.tm	Method	TBLASTX:Maize
Start	2637	End	2927
GI	none	Score	183
Exons	2637..2927, 2639..2926		

Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o7.tw	Method	TBLASTX:Wheat
Start	3053	End	3475
GI	none	Score	71
Exons	3053..3220, 3108..3221, 3266..3475, 3327..3419		

Seq. No.	17568	Seq. ID	OJ991026_02.0118.C2
Gene No.	36932	Strand	-
Start	98	End	4001
Name	OJ991026_02.0118.C2.o6.tm	Method	TBLASTX:Maize
Start	3158	End	3481
GI	none	Score	188
Exons	3158..3481		

Seq. No.	17569	Seq. ID	OJ991026_02.0118.C3
Gene No.	36933	Strand	-
Start	235	End	689
Name	OJ991026_02.0118.C3.o1.gp	Method	AAT/GAP
Start	235	End	689
GI	95437_1.R1084	Score	770
Exons	235..689		
GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36934	Strand	+
Start	1320	End	2684
Name	OJ991026_02.0118.C4.o1.gs	Method	GENSCAN
Start	1320	End	2684
GI	none	Score	.64
Exons	1320..2420, 2529..2684		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36935	Strand	+
Start	4999	End	10207
Name	OJ991026_02.0118.C4.o2.np	Method	AAT/NAP
Start	4999	End	10207

GI	5852180	Score	574
Exons	4999..5066, 8587..8648, 9636..9745, 9797..10207		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36935	Strand	+
Start	4999	End	10207
Name	OJ991026_02.0118.C4.o3.gs	Method	GENSCAN
Start	9303	End	9434
GI	none	Score	.46
Exons	9303..9434		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36936	Strand	+
Start	15300	End	19017
Name	OJ991026_02.0118.C4.o5.np	Method	AAT/NAP
Start	15300	End	19017
GI	5091513	Score	207
Exons	15300..15351, 15732..15793, 18802..19017		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o1.np	Method	AAT/NAP
Start	1	End	11871
GI	5852180	Score	612
Exons	1..37, 4704..4774, 5474..5884, 5936..6044, 7126..7188, 10095..10152, 11835..11871		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o1.gp	Method	AAT/GAP
Start	8489	End	8874
GI	uC-osf1cyp033a04b1	Score	633
Exons	8489..8874		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o3.np	Method	AAT/NAP
Start	8913	End	14867
GI	4680203	Score	1443
Exons	8913..8929, 10965..11113, 11390..11633, 11793..13437, 14827..14867		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o4.np	Method	AAT/NAP
Start	9113	End	14287
GI	6272381	Score	903

Exons	9113..9145, 11042..12845, 12957..13438, 14266..14287		
GI Descrip.	(AC007918) Similar to gi\|4325351 T25H8.2 TNP2 protein homolog from Arabidopsis thaliana BAC gb\|AF128394.		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o4.gs	Method	GENSCAN
Start	9623	End	18972
GI	none	Score	.54
Exons	9623..10488, 10993..11120, 11336..11408, 11839..11981, 11995..12110, 12615..13288, 16022..16622, 16651..17011, 18929..18972		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	10962	End	11506
GI	none	Score	321
Exons	10962..11462, 10964..11506		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o2.tc	Method	TBLASTX:Cress
Start	10962	End	11219
GI	none	Score	164
Exons	10962..11219, 10964..11215		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o2.tm	Method	TBLASTX:Maize
Start	11150	End	11465
GI	none	Score	142
Exons	11150..11464, 11169..11465		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o3.tm	Method	TBLASTX:Maize
Start	11648	End	12004
GI	none	Score	79
Exons	11648..11872, 11657..11800, 11882..12004		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o2.ts	Method	TBLASTX:Soybean
Start	11948	End	12176
GI	none	Score	71
Exons	11948..12175, 11957..12157, 12021..12176		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972

Name	OJ991026_02.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	12017	End	12456
GI	none	Score	73
Exons	12017..12175, 12208..12450, 12224..12451, 12325..12456		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o2.tw	Method	TBLASTX:Wheat
Start	12208	End	12508
GI	none	Score	208
Exons	12208..12507, 12236..12508		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o1.tc	Method	TBLASTX:Cress
Start	12295	End	12644
GI	none	Score	100
Exons	12295..12585, 12296..12448, 12488..12544, 12574..12636, 12582..12644		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o3.tw	Method	TBLASTX:Wheat
Start	12571	End	13070
GI	none	Score	51
Exons	12571..12624, 12594..12641, 12654..13070, 12655..12981		

Seq. No.	17570	Seq. ID	OJ991026_02.0118.C4
Gene No.	36937	Strand	-
Start	1	End	18972
Name	OJ991026_02.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	12661	End	12998
GI	none	Score	183
Exons	12661..12945, 12663..12944, 12712..12966, 12943..12993, 12951..12998		

Seq. No.	17571	Seq. ID	OJ991026_02.0118.C5
Gene No.	36938	Strand	+
Start	84	End	621
Name	OJ991026_02.0118.C5.o1.gs	Method	GENSCAN
Start	84	End	621
GI	none	Score	.5
Exons	84..225, 556..621		

Seq. No.	17571	Seq. ID	OJ991026_02.0118.C5
Gene No.	36939	Strand	-
Start	1	End	838
Name	OJ991026_02.0118.C5.o1.np	Method	AAT/NAP
Start	1	End	838
GI	5852180	Score	193
Exons	1..140, 192..311, 818..838		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	17572	Seq. ID	OJ991026_02.0118.C6

Gene No.	36940	Strand	-
Start	311	End	636
Name	OJ991026_02.0118.C6.o1.gs	Method	GENSCAN
Start	311	End	636
GI	none	Score	.86
Exons	311..387, 486..636		

Seq. No.	17573	Seq. ID	OJ991026_02.0118.C7
Gene No.	36941	Strand	+
Start	1	End	232
Name	OJ991026_02.0118.C7.o1.np	Method	AAT/NAP
Start	1	End	232
GI	4680186	Score	321
Exons	1..232		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17573	Seq. ID	OJ991026_02.0118.C7
Gene No.	36942	Strand	-
Start	1	End	165
Name	OJ991026_02.0118.C7.o1.gp	Method	AAT/GAP
Start	1	End	165
GI	uC-osflcyp033a04b1	Score	281
Exons	1..165		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17574	Seq. ID	OJ991026_02.0118.C8
Gene No.	36943	Strand	-
Start	346	End	397
Name	OJ991026_02.0118.C8.o1.gs	Method	GENSCAN
Start	346	End	397
GI	none	Score	.68
Exons	346..397		

Seq. No.	17575	Seq. ID	OJ991026_02.0118.C9
Gene No.	36944	Strand	+
Start	4748	End	10005
Name	OJ991026_02.0118.C9.o2.np	Method	AAT/NAP
Start	4748	End	10005
GI	5852180	Score	633
Exons	4748..4803, 5788..5914, 5966..6368, 7068..7138, 9893..10005		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	17575	Seq. ID	OJ991026_02.0118.C9
Gene No.	36944	Strand	+
Start	4748	End	10005
Name	OJ991026_02.0118.C9.o2.gs	Method	GENSCAN
Start	7084	End	9792
GI	none	Score	.66
Exons	7084..7740, 9106..9792		

Seq. No.	17575	Seq. ID	OJ991026_02.0118.C9
Gene No.	36944	Strand	+
Start	4748	End	10005
Name	OJ991026_02.0118.C9.o4.np	Method	AAT/NAP
Start	9145	End	10005
GI	5902448	Score	1066

Exons	9145..9747, 9916..10005		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		
Seq. No.	17575	Seq. ID	OJ991026_02.0118.C9
Gene No.	36945	Strand	-
Start	1	End	6487
Name	OJ991026_02.0118.C9.o1.np	Method	AAT/NAP
Start	1	End	2633
GI	4680179	Score	581
Exons	1..146, 954..1168, 1342..2115, 2517..2633		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	17575	Seq. ID	OJ991026_02.0118.C9
Gene No.	36945	Strand	-
Start	1	End	6487
Name	OJ991026_02.0118.C9.o1.gs	Method	GENSCAN
Start	307	End	6487
GI	none	Score	.49
Exons	307..520, 883..1214, 1458..2043, 2166..3038, 3201..3392, 4865..4945, 5290..5308, 5810..5949, 6112..6404, 6415..6487		
Seq. No.	17575	Seq. ID	OJ991026_02.0118.C9
Gene No.	36945	Strand	-
Start	1	End	6487
Name	OJ991026_02.0118.C9.o1.tm	Method	TBLASTX:Maize
Start	1444	End	1743
GI	none	Score	75
Exons	1444..1743, 1640..1729		
Seq. No.	17575	Seq. ID	OJ991026_02.0118.C9
Gene No.	36945	Strand	-
Start	1	End	6487
Name	OJ991026_02.0118.C9.o1.tw	Method	TBLASTX:Wheat
Start	1624	End	1983
GI	none	Score	162
Exons	1624..1983, 1628..1981		
Seq. No.	17575	Seq. ID	OJ991026_02.0118.C9
Gene No.	36945	Strand	-
Start	1	End	6487
Name	OJ991026_02.0118.C9.o1.gp	Method	AAT/GAP
Start	4652	End	5033
GI	uC-osflcyp033a04b1	Score	655
Exons	4652..5033		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	17575	Seq. ID	OJ991026_02.0118.C9
Gene No.	36946	Strand	
Start	9265	End	9555
Name	OJ991026_02.0118.C9.o2.tw	Method	TBLASTX:Wheat
Start	9265	End	9555
GI	none	Score	214
Exons	9265..9555		
Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36947	Strand	+

Start	238	End	610
Name	OJ991026_02.0118.C10.o1.gs	Method	GENSCAN
Start	238	End	610
GI	none	Score	.82
Exons	238..301, 576..610		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36948	Strand	+
Start	2245	End	7810
Name	OJ991026_02.0118.C10.o2.np	Method	AAT/NAP
Start	2245	End	7810
GI	4680179	Score	3280
Exons	2245..2267, 5471..7810		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36949	Strand	+
Start	8439	End	9635
Name	OJ991026_02.0118.C10.o4.gs	Method	GENSCAN
Start	8439	End	9635
GI	none	Score	.8
Exons	8439..8813, 8962..9054, 9615..9635		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36950	Strand	+
Start	9885	End	10266
Name	OJ991026_02.0118.C10.o3.gp	Method	AAT/GAP
Start	9885	End	10266
GI	uC-osflcyp033a04b1	Score	647
Exons	9885..10266		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36951	Strand	+
Start	12352	End	14476
Name	OJ991026_02.0118.C10.o6.gs	Method	GENSCAN
Start	12352	End	14476
GI	none	Score	.49
Exons	12352..12537, 12630..12769, 13560..13664, 13869..13969, 14439..14476		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36951	Strand	+
Start	12352	End	14476
Name	OJ991026_02.0118.C10.o4.gp	Method	AAT/GAP
Start	13615	End	13996
GI	uC-osflcyp033a04b1	Score	655
Exons	13615..13996		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36952	Strand	+
Start	17084	End	17215
Name	OJ991026_02.0118.C10.o8.gs	Method	GENSCAN
Start	17084	End	17215

GI	none	Score	.59
Exons	17084..17215		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36953	Strand	+
Start	21819	End	31057
Name	OJ991026_02.0118.C10.o4.np	Method	AAT/NAP
Start	21819	End	31057
GI	5922631	Score	6680
Exons	21819..21943, 22202..22446, 25860..26062, 26108..26679, 26722..26873, 27000..27923, 28530..31057		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36954	Strand	+
Start	37643	End	42193
Name	OJ991026_02.0118.C10.o12.gs	Method	GENSCAN
Start	37643	End	42193
GI	none	Score	.72
Exons	37643..41405, 41604..42193		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36954	Strand	+
Start	37643	End	42193
Name	OJ991026_02.0118.C10.o7.np	Method	AAT/NAP
Start	37643	End	41294
GI	5042447	Score	5115
Exons	37643..41294		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36955	Strand	-
Start	1	End	3116
Name	OJ991026_02.0118.C10.o1.np	Method	AAT/NAP
Start	1	End	1082
GI	4680179	Score	162
Exons	1..68, 725..1082		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36955	Strand	-
Start	1	End	3116
Name	OJ991026_02.0118.C10.o2.gs	Method	GENSCAN
Start	693	End	3116
GI	none	Score	.88
Exons	693..1079, 1303..1331, 1370..2135, 3072..3116		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36956	Strand	-
Start	3024	End	3405
Name	OJ991026_02.0118.C10.o1.gp	Method	AAT/GAP

Start	3024	End	3405
GI	uC-osflcyp033a04b1	Score	671
Exons	3024..3405		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36957	Strand	-
Start	11069	End	12188
Name	OJ991026_02.0118.C10.o5.gs	Method	GENSCAN
Start	11069	End	12188
GI	none	Score	.58
Exons	11069..11305, 12147..12188		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36958	Strand	-
Start	14968	End	15402
Name	OJ991026_02.0118.C10.o7.gs	Method	GENSCAN
Start	14968	End	15402
GI	none	Score	.77
Exons	14968..15402		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36959	Strand	-
Start	16269	End	16650
Name	OJ991026_02.0118.C10.o5.gp	Method	AAT/GAP
Start	16269	End	16650
GI	uC-osflcyp033a04b1	Score	671
Exons	16269..16650		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36960	Strand	-
Start	17519	End	24291
Name	OJ991026_02.0118.C10.o9.gs	Method	GENSCAN
Start	17519	End	21263
GI	none	Score	.48
Exons	17519..17633, 17726..17964, 18861..18983, 19017..19487, 19647..20950, 21112..21136, 21183..21263		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36960	Strand	-
Start	17519	End	24291
Name	OJ991026_02.0118.C10.o3.np	Method	AAT/NAP
Start	18726	End	24291
GI	4680179	Score	3175
Exons	18726..20966, 24204..24291		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36960	Strand	-
Start	17519	End	24291
Name	OJ991026_02.0118.C10.o6.gp	Method	AAT/GAP
Start	23255	End	23638
GI	uC-osflcyp033a04b1	Score	665
Exons	23255..23638		

GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36961	Strand	-
Start	31409	End	36924
Name	OJ991026_02.0118.C10.o11.gs	Method	GENSCAN
Start	31409	End	36924
GI	none	Score	.77
Exons	31409..31857, 31930..32079, 32106..32295, 32371..32558, 32633..32991, 33073..33230, 33449..33828, 35007..35230, 35976..36094, 36501..36638, 36868..36924		
Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36961	Strand	-
Start	31409	End	36924
Name	OJ991026_02.0118.C10.o5.np	Method	AAT/NAP
Start	31412	End	35597
GI	6691716	Score	1373
Exons	31412..31857, 31930..32046, 32196..32295, 32371..32679, 32745..32802, 32879..32991, 33073..33265, 33463..33741, 35562..35597		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36961	Strand	-
Start	31409	End	36924
Name	OJ991026_02.0118.C10.o6.np	Method	AAT/NAP
Start	34030	End	36680
GI	5295955	Score	393
Exons	34030..34760, 34861..35104, 35170..35235, 35917..36030, 36569..36680		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o10.tw	Method	TBLASTX:Wheat
Start	739	End	38236
GI	none	Score	58
Exons	739..846, 741..848, 37856..38236, 37883..37978, 38002..38235		
Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	5471	End	40171
GI	none	Score	407
Exons	5471..5791, 5515..5790, 20745..20969, 20745..20969, 20746..20970, 20774..20971, 28568..28852, 39776..39808, 39778..39804, 39812..40171, 39819..39884, 39824..40141, 39904..40170		
Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10

Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o4.tm	Method	TBLASTX:Maize
Start	5471	End	40222
GI	none	Score	58
Exons	5471..5521, 5528..5842, 5668..5721, 5749..5799, 20694..20954, 28403..28507, 28556..28903, 39722..39901, 39887..40222, 39973..40104, 40129..40176		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o5.tw	Method	TBLASTX:Wheat
Start	5501	End	40186
GI	none	Score	140
Exons	5501..5806, 20730..20966, 28555..28935, 28556..28930, 39836..40186		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o3.tw	Method	TBLASTX:Wheat
Start	5807	End	40612
GI	none	Score	589
Exons	5807..6232, 5839..6228, 5870..6232, 20307..20729, 20308..20697, 40187..40612, 40195..40605, 40229..40609		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o4.ts	Method	TBLASTX:Soybean
Start	5813	End	40438
GI	none	Score	209
Exons	5813..6058, 20478..20720, 20479..20706, 40193..40438		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o2.tm	Method	TBLASTX:Maize
Start	5878	End	40622
GI	none	Score	475
Exons	5878..6228, 5879..6232, 5879..6241, 20295..20657, 20304..20657, 20308..20658, 40259..40612, 40261..40605, 40299..40622		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o2.tw	Method	TBLASTX:Wheat
Start	6263	End	41179
GI	none	Score	660
Exons	6263..6799, 6307..6798, 19737..20273, 19738..20304, 40652..41179, 40733..41143, 40924..41178		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o1.tc	Method	TBLASTX:Cress

Start	6506	End	41203
GI	none	Score	91
Exons	6506..6679, 6680..6823, 6730..6822, 19713..19856, 19714..19854, 19857..20030, 40886..41059, 41060..41203, 41062..41202		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o2.ts	Method	TBLASTX:Soybean
Start	6587	End	41227
GI	none	Score	283
Exons	6587..6847, 6592..6846, 19689..19892, 19689..19943, 19690..19944, 40967..41227, 40972..41226		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o5.tm	Method	TBLASTX:Maize
Start	6645	End	41317
GI	none	Score	98
Exons	6645..6833, 6645..6836, 6647..6937, 6647..6850, 6718..6933, 19599..19889, 19603..19890, 19736..19891, 41026..41313, 41027..41317		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	6806	End	41812
GI	none	Score	666
Exons	6806..7432, 6862..7320, 7178..7429, 19104..19730, 19107..19358, 19216..19674, 30395..30586, 30614..30724, 41186..41812, 41188..41811		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	6989	End	41965
GI	none	Score	237
Exons	6989..7153, 6994..7140, 7145..7585, 7150..7569, 18951..19391, 18966..19229, 18967..19389, 19308..19391, 19368..19550, 19396..19542, 19505..19546, 41366..41521, 41370..41525, 41374..41520, 41525..41965, 41530..41952		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o8.tw	Method	TBLASTX:Wheat
Start	7432	End	42180
GI	none	Score	310
Exons	7432..7701, 7433..7765, 7436..7723, 18792..19100, 18822..19103, 18835..19104, 41812..41865, 41813..42145, 41840..41920, 41905..42021, 41963..42124, 42127..42180		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-

Start	42439	End	42547
Name	OJ991026_02.0118.C10.o9.tm	Method	TBLASTX:Maize
Start	7589	End	42166
GI	none	Score	129
Exons	7589..7786, 7600..7695, 7787..7819, 7789..7818, 18718..18780, 18750..18947, 18841..18936, 41969..42166		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o12.tw	Method	TBLASTX:Wheat
Start	26285	End	26686
GI	none	Score	274
Exons	26285..26686		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o9.tw	Method	TBLASTX:Wheat
Start	27263	End	36030
GI	none	Score	149
Exons	27263..27439, 27484..27720, 27488..27718, 27792..28028, 27824..28060, 27856..28056, 35929..36030		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o5.ts	Method	TBLASTX:Soybean
Start	27980	End	39664
GI	none	Score	135
Exons	27980..28204, 28211..28345, 39530..39664		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o6.tm	Method	TBLASTX:Maize
Start	28070	End	39715
GI	none	Score	343
Exons	28070..28399, 28111..28398, 39485..39715		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o4.tw	Method	TBLASTX:Wheat
Start	28166	End	39835
GI	none	Score	231
Exons	28166..28516, 39353..39835, 39457..39792		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o11.tw	Method	TBLASTX:Wheat
Start	28939	End	29225
GI	none	Score	278
Exons	28939..29016, 28940..29221, 29075..29224, 29127..29225		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10

Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o3.ts	Method	TBLASTX:Soybean
Start	29216	End	29604
GI	none	Score	86
Exons	29216..29320, 29224..29604, 29360..29602		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o6.tw	Method	TBLASTX:Wheat
Start	29225	End	29647
GI	none	Score	414
Exons	29225..29647, 29233..29637		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o11.tm	Method	TBLASTX:Maize
Start	29477	End	29731
GI	none	Score	193
Exons	29477..29731		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o14.tw	Method	TBLASTX:Wheat
Start	29663	End	29962
GI	none	Score	134
Exons	29663..29797, 29822..29962		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o3.tm	Method	TBLASTX:Maize
Start	29959	End	30322
GI	none	Score	432
Exons	29959..30270, 29960..30283, 29980..30294, 30274..30321, 30275..30322		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o7.tw	Method	TBLASTX:Wheat
Start	29965	End	30352
GI	none	Score	406
Exons	29965..30276, 29966..30352, 30221..30352		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o7.tm	Method	TBLASTX:Maize
Start	30809	End	31042
GI	none	Score	152
Exons	30809..30961, 30835..30960, 30940..31041, 30941..31042		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10

Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o15.tw	Method	TBLASTX:Wheat
Start	30845	End	31096
GI	none	Score	172
Exons	30845..31024, 31058..31096		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o8.tm	Method	TBLASTX:Maize
Start	38117	End	38449
GI	none	Score	215
Exons	38117..38449, 38140..38304		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o13.tw	Method	TBLASTX:Wheat
Start	38777	End	39178
GI	none	Score	150
Exons	38777..39001, 38791..38943, 39005..39178, 39038..39097, 39079..39147		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o10.tm	Method	TBLASTX:Maize
Start	38815	End	39091
GI	none	Score	195
Exons	38815..38916, 38816..39091		

Seq. No.	17576	Seq. ID	OJ991026_02.0118.C10
Gene No.	36962	Strand	-
Start	42439	End	42547
Name	OJ991026_02.0118.C10.o13.gs	Method	GENSCAN
Start	42439	End	42547
GI	none	Score	.9
Exons	42439..42547		

Seq. No.	17577	Seq. ID	OJ991026_02.0118.C11
Gene No.	36963	Strand	+
Start	1	End	659
Name	OJ991026_02.0118.C11.o1.np	Method	AAT/NAP
Start	1	End	659
GI	4680179	Score	938
Exons	1..58, 98..659		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17577	Seq. ID	OJ991026_02.0118.C11
Gene No.	36963	Strand	+
Start	1	End	659
Name	OJ991026_02.0118.C11.o1.gs	Method	GENSCAN
Start	154	End	642
GI	none	Score	.53
Exons	154..642		

Seq. No.	17577	Seq. ID	OJ991026_02.0118.C11
Gene No.	36963	Strand	+
Start	1	End	659
Name	OJ991026_02.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	163	End	659
GI	none	Score	473
Exons	163..603, 306..383, 435..593,	602..658,	603..659

Seq. No.	17577	Seq. ID	OJ991026_02.0118.C11
Gene No.	36963	Strand	+
Start	1	End	659
Name	OJ991026_02.0118.C11.o1.tm	Method	TBLASTX:Maize
Start	340	End	653
GI	none	Score	228
Exons	340..603, 361..570, 450..614,	605..652,	606..653

Seq. No.	17578	Seq. ID	OJ991026_02.0118.C12
Gene No.	36964	Strand	+
Start	762	End	1371
Name	OJ991026_02.0118.C12.o1.gs	Method	GENSCAN
Start	762	End	1371
GI	none	Score	.88
Exons	762..982, 1335..1371		

Seq. No.	17579	Seq. ID	OJ991026_02.0118.C13
Gene No.	36965	Strand	+
Start	788	End	1169
Name	OJ991026_02.0118.C13.o1.gp	Method	AAT/GAP
Start	788	End	1169
GI	uC-osf1cyp033a04b1	Score	651
Exons	788..1169		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17579	Seq. ID	OJ991026_02.0118.C13
Gene No.	36966	Strand	-
Start	223	End	1065
Name	OJ991026_02.0118.C13.o1.gs	Method	GENSCAN
Start	223	End	1065
GI	none	Score	.93
Exons	223..355, 1018..1065		

Seq. No.	17579	Seq. ID	OJ991026_02.0118.C13
Gene No.	36966	Strand	-
Start	223	End	1065
Name	OJ991026_02.0118.C13.o1.np	Method	AAT/NAP
Start	721	End	921
GI	4680186	Score	330
Exons	721..921		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36967	Strand	+
Start	62	End	546
Name	OJ991026_02.0118.C14.o1.gs	Method	GENSCAN
Start	62	End	546
GI	none	Score	.87

Exons	62..203, 461..546		
Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36968	Strand	+
Start	1153	End	8787
Name	OJ991026_02.0118.C14.o2.gp	Method	AAT/GAP
Start	975	End	1356
GI	uC-osflcyp033a04b1	Score	683
Exons	975..1356		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36968	Strand	+
Start	1153	End	8787
Name	OJ991026_02.0118.C14.o2.gs	Method	GENSCAN
Start	1153	End	5781
GI	none	Score	.47
Exons	1153..1224, 2282..3035, 3085..3168, 3302..4255, 4295..4513, 4700..5781		
Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36968	Strand	+
Start	1153	End	8787
Name	OJ991026_02.0118.C14.o2.np	Method	AAT/NAP
Start	3337	End	7836
GI	4680179	Score	5321
Exons	3337..4401, 4435..7836		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36968	Strand	+
Start	1153	End	8787
Name	OJ991026_02.0118.C14.o3.gs	Method	GENSCAN
Start	5959	End	8787
GI	none	Score	.54
Exons	5959..6915, 7075..7844, 8496..8787		
Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36969	Strand	-
Start	908	End	2000
Name	OJ991026_02.0118.C14.o1.np	Method	AAT/NAP
Start	908	End	2000
GI	4680186	Score	377
Exons	908..1108, 1947..2000		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o7.tw	Method	TBLASTX:Wheat
Start	3553	End	3915
GI	none	Score	296
Exons	3553..3915, 3555..3914		
Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-

Start	8483	End	8918
Name	OJ991026_02.0118.C14.o6.tm	Method	TBLASTX:Maize
Start	3796	End	4101
GI	none	Score	199
Exons	3796..4101, 3810..3926		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o8.tw	Method	TBLASTX:Wheat
Start	4461	End	4830
GI	none	Score	161
Exons	4461..4670, 4462..4671, 4716..4829, 4717..4830		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o5.tm	Method	TBLASTX:Maize
Start	4969	End	5355
GI	none	Score	263
Exons	4969..5355, 4977..5072, 5139..5297		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o4.tw	Method	TBLASTX:Wheat
Start	4995	End	5481
GI	none	Score	49
Exons	4995..5438, 4999..5049, 5104..5481		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o3.tm	Method	TBLASTX:Maize
Start	5368	End	5868
GI	none	Score	163
Exons	5368..5547, 5376..5495, 5554..5868, 5696..5752, 5775..5861		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o1.ts	Method	TBLASTX:Soybean
Start	5422	End	5817
GI	none	Score	57
Exons	5422..5454, 5424..5453, 5458..5817, 5460..5495, 5529..5816		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o5.tw	Method	TBLASTX:Wheat
Start	5530	End	5832
GI	none	Score	377
Exons	5530..5832, 5532..5816, 5554..5826		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918

Name	OJ991026_02.0118.C14.o3.tw	Method	TBLASTX:Wheat
Start	5833	End	6258
GI	none	Score	574
Exons	5833..6258, 5865..6206, 5896..6258		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o3.ts	Method	TBLASTX:Soybean
Start	5839	End	6084
GI	none	Score	218
Exons	5839..6084, 5856..6083		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o2.tm	Method	TBLASTX:Maize
Start	5904	End	6258
GI	none	Score	464
Exons	5904..6206, 5905..6258, 5905..6252		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o2.tw	Method	TBLASTX:Wheat
Start	6289	End	6825
GI	none	Score	642
Exons	6289..6825, 6333..6824		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o2.ts	Method	TBLASTX:Soybean
Start	6613	End	6874
GI	none	Score	305
Exons	6613..6873, 6616..6834, 6618..6872, 6743..6874		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o4.tm	Method	TBLASTX:Maize
Start	6672	End	6963
GI	none	Score	102
Exons	6672..6881, 6672..6959, 6673..6963		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o1.tw	Method	TBLASTX:Wheat
Start	6832	End	7458
GI	none	Score	664
Exons	6832..7458, 6888..7346, 7369..7455		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o1.tm	Method	TBLASTX:Maize

Start	7012	End	7611
GI	none	Score	222
Exons	7012..7173, 7020..7166, 7171..7611, 7173..7595		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o6.tw	Method	TBLASTX:Wheat
Start	7458	End	7791
GI	none	Score	317
Exons	7458..7727, 7459..7791		

Seq. No.	17580	Seq. ID	OJ991026_02.0118.C14
Gene No.	36970	Strand	-
Start	8483	End	8918
Name	OJ991026_02.0118.C14.o3.np	Method	AAT/NAP
Start	8483	End	8918
GI	4680185	Score	465
Exons	8483..8918		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17581	Seq. ID	OJ991026_02.0118.C15
Gene No.	36971	Strand	+
Start	1	End	1316
Name	OJ991026_02.0118.C15.o1.np	Method	AAT/NAP
Start	1	End	1316
GI	5852180	Score	372
Exons	1..120, 861..970, 1022..1316		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	17582	Seq. ID	OJ991026_02.0118.C18
Gene No.	36972	Strand	+
Start	17	End	673
Name	OJ991026_02.0118.C18.o1.np	Method	AAT/NAP
Start	17	End	673
GI	4680179	Score	617
Exons	17..547, 587..673		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17582	Seq. ID	OJ991026_02.0118.C18
Gene No.	36972	Strand	+
Start	17	End	673
Name	OJ991026_02.0118.C18.o1.tw	Method	TBLASTX:Wheat
Start	229	End	652
GI	none	Score	241
Exons	229..543, 256..351, 617..652		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36973	Strand	+
Start	14309	End	16879
Name	OJ991006_02.0113.C1.o4.gs	Method	GENSCAN
Start	14309	End	16879
GI	none	Score	.51
Exons	14309..14323, 14408..14860, 14870..15019, 15068..15205, 15457..15570, 15788..15860, 16240..16340, 16471..16603, 16620..16879		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36974	Strand	+
Start	18232	End	18294
Name	OJ991006_02.0113.C1.o4.gp	Method	AAT/GAP
Start	18232	End	18294
GI	LIB3477-003-P1-K1-E9	Score	85
Exons	18232..18294		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36975	Strand	-
Start	148	End	1997
Name	OJ991006_02.0113.C1.o1.np	Method	AAT/NAP
Start	148	End	1994
GI	6520227	Score	567
Exons	148..459, 1227..1371, 1478..1994		
GI Descrip.	(AB028230) ZCW7 [Arabidopsis thaliana]		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36975	Strand	-
Start	148	End	1997
Name	OJ991006_02.0113.C1.o1.gp	Method	AAT/GAP
Start	293	End	377
GI	2311257	Score	136
Exons	293..377		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36975	Strand	-
Start	148	End	1997
Name	OJ991006_02.0113.C1.o1.gs	Method	GENSCAN
Start	300	End	1997
GI	none	Score	.93
Exons	300..459, 1227..1371, 1460..1997		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36976	Strand	-
Start	3958	End	5975
Name	OJ991006_02.0113.C1.o2.np	Method	AAT/NAP
Start	3949	End	5924
GI	1911765	Score	704
Exons	3949..4232, 4323..4589, 5115..5292, 5406..5602, 5687..5924		
GI Descrip.	(S83359) iEP4=42.6-kda elicitor-induced glycoprotein/EP4 homolog/ENOD8 homolog [carrots, Peptide, 391 aa] [Daucus carota] gi\|4204870 (U56392) iEP4 [Daucus carota]		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36976	Strand	-
Start	3958	End	5975
Name	OJ991006_02.0113.C1.o2.gs	Method	GENSCAN
Start	3958	End	5975
GI	none	Score	.94
Exons	3958..4593, 5119..5288, 5390..5602, 5687..5975		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36977	Strand	-

Start	7813	End	16609
Name	OJ991006_02.0113.C1.o3.gs	Method	GENSCAN
Start	7813	End	13301
GI	none	Score	.81
Exons	7813..7821, 10055..10174, 10186..10415, 10498..10768, 11228..11397, 11493..11705, 13052..13301		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36977	Strand	-
Start	7813	End	16609
Name	OJ991006_02.0113.C1.o3.np	Method	AAT/NAP
Start	10182	End	13280
GI	6724047	Score	940
Exons	10182..10415, 10498..10768, 11228..11399, 11498..11728, 13048..13280		
GI Descrip.	Human T-cell lymphotropic virus type 1 Cam from French Guiana tax protein (tax) gene, partial cds; and 3' long terminal repeat, complete sequence gi\|6724049\|gb\|AF063820.1\|AF063820 Human T-cell lymphotropic virus type 1 Nar from French Guiana tax protein (tax) gene, partial cds; and 3' long terminal repeat, complete sequence gi\|6724051\|gb\|AF063821.1\|AF063821 Human		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36977	Strand	-
Start	7813	End	16609
Name	OJ991006_02.0113.C1.o2.gp	Method	AAT/GAP
Start	10478	End	11818
GI	23082_1.R1084	Score	1177
Exons	10478..10768, 11228..11397, 11493..11705, 11781..11818		
GI Descrip.	'5295936/dbj\|AB026295.2\|AB026295 9.0e-11 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36977	Strand	-
Start	7813	End	16609
Name	OJ991006_02.0113.C1.o4.np	Method	AAT/NAP
Start	11732	End	16609
GI	2979551	Score	96
Exons	11732..11819, 14643..14906, 14984..15075, 16514..16609		
GI Descrip.	(AC003680) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36977	Strand	-
Start	7813	End	16609
Name	OJ991006_02.0113.C1.o3.gp	Method	AAT/GAP
Start	13066	End	13388
GI	2442759	Score	613
Exons	13066..13388		
GI Descrip.	5295936/dbj\|AB026295.2\|AB026295 9.0e-11 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36978	Strand	-
Start	19911	End	21869
Name	OJ991006_02.0113.C1.o1.tm	Method	TBLASTX:Maize
Start	3943	End	10637

GI	none	Score	152
Exons	3943..4152, 3982..4233, 3989..4159, 10121..10159, 10154..10279, 10157..10297, 10165..10416, 10352..10420, 10496..10528, 10497..10532, 10530..10637, 10532..10636		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No:	36978	Strand	-
Start	19911	End	21869
Name	OJ991006_02.0113.C1.o2.ts	Method	TBLASTX:Soybean
Start	3982	End	10416
GI	none	Score	97
Exons	3982..4113, 3998..4114, 4117..4212, 10162..10296, 10169..10297, 10300..10377, 10375..10416		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36978	Strand	-
Start	19911	End	21869
Name	OJ991006_02.0113.C1.o1.ts	Method	TBLASTX:Soybean
Start	4345	End	13209
GI	none	Score	111
Exons	4345..4500, 4507..4599, 5119..5289, 5132..5290, 5403..5468, 5499..5612, 5682..5786, 5760..5843, 5761..5841, 10520..10666, 10521..10670, 10665..10769, 10682..10795, 11228..11398, 11229..11399, 11593..11724, 11606..11716, 13053..13136, 13057..13125, 13125..13208, 13126..13209		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36978	Strand	-
Start	19911	End	21869
Name	OJ991006_02.0113.C1.o2.tm	Method	TBLASTX:Maize
Start	4519	End	11622
GI	none	Score	161
Exons	4519..4575, 5119..5289, 5120..5290, 5388..5519, 5390..5509, 5391..5510, 5428..5511, 10694..10750, 10700..10750, 11228..11398, 11229..11402, 11230..11403, 11301..11411, 11491..11622, 11493..11609, 11494..11610, 11525..11620		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36978	Strand	-
Start	19911	End	21869
Name	OJ991006_02.0113.C1.o1.tw	Method	TBLASTX:Wheat
Start	5119	End	11392
GI	none	Score	159
Exons	5119..5247, 5120..5248, 5251..5283, 11228..11353, 11228..11356, 11229..11357, 11360..11392		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1
Gene No.	36978	Strand	-
Start	19911	End	21869
Name	OJ991006_02.0113.C1.o1.tc	Method	TBLASTX:Cress
Start	5183	End	13208
GI	none	Score	88
Exons	5183..5290, 5185..5289, 5388..5612, 5682..5843, 5689..5844, 11294..11398, 11479..11724, 11537..11725, 13053..13208, 13054..13203		

Seq. No.	17583	Seq. ID	OJ991006_02.0113.C1

Gene No.	36978	Strand	-
Start	19911	End	21869
Name	OJ991006_02.0113.C1.o5.gs	Method	GENSCAN
Start	19911	End	21869
GI	none	Score	.7
Exons	19911..19955, 21670..21869		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36979	Strand	+
Start	1131	End	7625
Name	OJ991006_02.0113.C2.o1.gs	Method	GENSCAN
Start	1131	End	7333
GI	none	Score	.72
Exons	1131..1178, 1292..1381, 2770..2853, 2982..3200, 4999..5397, 5522..5732, 5816..5862, 6139..6303, 6444..6541, 7009..7333		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36979	Strand	+
Start	1131	End	7625
Name	OJ991006_02.0113.C2.o3.np	Method	AAT/NAP
Start	1254	End	7336
GI	4567278	Score	1877
Exons	1254..1381, 2770..2853, 2982..3200, 4063..4164, 4999..5442, 5522..5751, 5939..6032, 6121..6303, 6444..6650, 6925..7336		
GI Descrip.	(AC006841) putative ubiquitin activating enzyme [Arabidopsis thaliana]		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36979	Strand	+
Start	1131	End	7625
Name	OJ991006_02.0113.C2.o1.gp	Method	AAT/GAP
Start	5132	End	6287
GI	3760214	Score	1472
Exons	5132..5442, 5522..5751, 5939..6032, 6121..6287		
GI Descrip.	4567278/gb\|AAD23691.1\|AC006841_19 1.0e-99 (AC006841) putative anthracycline associated resistance ARX protein [Arabidopsis thaliana]		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36979	Strand	+
Start	1131	End	7625
Name	OJ991006_02.0113.C2.o2.gp	Method	AAT/GAP
Start	6419	End	7625
GI	3760215	Score	1315
Exons	6419..6541, 7021..7625		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36980	Strand	+
Start	36572	End	38380
Name	OJ991006_02.0113.C2.o6.np	Method	AAT/NAP
Start	36572	End	38380
GI	4468990	Score	1140
Exons	36572..36739, 36857..37083, 37110..37938, 37966..38380		
GI Descrip.	(AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36981	Strand	-

Start	1	End	1240
Name	OJ991006_02.0113.C2.o1.np	Method	AAT/NAP
Start	1	End	1240
GI	6815109	Score	215
Exons	1..370, 1067..1240		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36982	Strand	-
Start	8796	End	9374
Name	OJ991006_02.0113.C2.o2.gs	Method	GENSCAN
Start	8796	End	9374
GI	none	Score	.75
Exons	8796..9374		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36983	Strand	-
Start	10325	End	12973
Name	OJ991006_02.0113.C2.o3.gp	Method	AAT/GAP
Start	10325	End	10767
GI	uC-osflcyp122a06b1	Score	839
Exons	10325..10767		
GI Descrip.	'3550436/emb\|CAA04677\| 1.0e-29 (AJ001317) putative transcription repressor HOTR [Hordeum vulgare]'		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36983	Strand	-
Start	10325	End	12973
Name	OJ991006_02.0113.C2.o4.np	Method	AAT/NAP
Start	10398	End	12973
GI	3550436	Score	1604
Exons	10398..10787, 10989..11798, 12345..12719, 12893..12973		
GI Descrip.	(AJ001317) putative transcription repressor HOTR [Hordeum vulgare]		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36984	Strand	-
Start	17899	End	20118
Name	OJ991006_02.0113.C2.o2.tm	Method	TBLASTX:Maize
Start	3093	End	7160
GI	none	Score	186
Exons	3093..3206, 3097..3201, 4059..4172, 4060..4143, 4144..4176, 4889..4936, 4993..5448, 4994..5443, 4998..5444, 5495..5752, 5499..5654, 5519..5749, 5924..6028, 5925..6026, 5928..6032, 5930..6046, 5938..6033, 6094..6309, 6103..6303, 6435..6542, 6441..6569, 6962..7159, 7016..7156, 7017..7160		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36984	Strand	-
Start	17899	End	20118
Name	OJ991006_02.0113.C2.o3.tc	Method	TBLASTX:Cress
Start	4059	End	5307
GI	none	Score	182
Exons	4059..4175, 4060..4176, 4993..5115, 4996..5079, 4998..5147, 5059..5307, 5108..5296, 5112..5297		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2

Gene No.	36984	Strand	-
Start	17899	End	20118
Name	OJ991006_02.0113.C2.o1.ts	Method	TBLASTX:Soybean
Start	4983	End	7135
GI	none	Score	95
Exons	4983..5093, 4983..5123, 4984..5118, 4997..5137, 5095..5298, 5111..5299, 5112..5300, 5272..5448, 5316..5444, 5498..5752, 5519..5749, 5933..6040, 5934..6032, 5938..6036, 6097..6243, 6120..6230, 6273..6308, 6435..6542, 6446..6541, 7013..7084, 7016..7135		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36984	Strand	-
Start	17899	End	20118
Name	OJ991006_02.0113.C2.o2.tc	Method	TBLASTX:Cress
Start	5519	End	6237
GI	none	Score	300
Exons	5519..5752, 5519..5737, 5934..6041, 5936..6031, 6103..6237, 6135..6227		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36984	Strand	-
Start	17899	End	20118
Name	OJ991006_02.0113.C2.o3.tm	Method	TBLASTX:Maize
Start	7161	End	7584
GI	none	Score	88
Exons	7161..7235, 7163..7237, 7238..7294, 7239..7334, 7349..7432, 7350..7433, 7501..7584, 7503..7583		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36984	Strand	-
Start	17899	End	20118
Name	OJ991006_02.0113.C2.o4.tc	Method	TBLASTX:Cress
Start	11511	End	11953
GI	none	Score	51
Exons	11511..11549, 11511..11549, 11533..11625, 11589..11663, 11592..11654, 11649..11831, 11660..11953, 11661..11807, 11734..11832		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36984	Strand	-
Start	17899	End	20118
Name	OJ991006_02.0113.C2.o5.np	Method	AAT/NAP
Start	17899	End	20118
GI	4755196	Score	251
Exons	17899..17932, 19432..19921, 20064..20118		
GI Descrip.	(AC007018) unknown protein [Arabidopsis thaliana]		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36984	Strand	-
Start	17899	End	20118
Name	OJ991006_02.0113.C2.o3.ts	Method	TBLASTX:Soybean
Start	19455	End	19925
GI	none	Score	116
Exons	19455..19532, 19599..19688, 19701..19844, 19830..19925		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2

Gene No.	36984	Strand	-
Start	17899	End	20118
Name	OJ991006_02.0113.C2.o4.gp	Method	AAT/GAP
Start	19816	End	20056
GI	2311724	Score	443
Exons	19816..20056		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36985	Strand	
Start	37154	End	38392
Name	OJ991006_02.0113.C2.o2.ts	Method	TBLASTX:Soybean
Start	37154	End	37531
GI	none	Score	357
Exons	37154..37459, 37162..37461, 37499..37531		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36985	Strand	
Start	37154	End	38392
Name	OJ991006_02.0113.C2.o1.tc	Method	TBLASTX:Cress
Start	37228	End	37945
GI	none	Score	138
Exons	37228..37344, 37229..37348, 37336..37455, 37337..37459, 37499..37582, 37504..37545, 37648..37713, 37652..37735, 37838..37945		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36985	Strand	
Start	37154	End	38392
Name	OJ991006_02.0113.C2.o1.tm	Method	TBLASTX:Maize
Start	37822	End	38384
GI	none	Score	193
Exons	37822..37845, 37823..37954, 37901..37936, 37961..38380, 37993..38379, 38316..38384		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36985	Strand	
Start	37154	End	38392
Name	OJ991006_02.0113.C2.o5.tc	Method	TBLASTX:Cress
Start	38111	End	38377
GI	none	Score	123
Exons	38111..38221, 38201..38263, 38318..38377		

Seq. No.	17584	Seq. ID	OJ991006_02.0113.C2
Gene No.	36985	Strand	
Start	37154	End	38392
Name	OJ991006_02.0113.C2.o4.ts	Method	TBLASTX:Soybean
Start	38201	End	38392
GI	none	Score	122
Exons	38201..38290, 38219..38290, 38285..38374, 38312..38392		

Seq. No.	17585	Seq. ID	OJ991116_07.0128.C1
Gene No.	36986	Strand	+
Start	213	End	682
Name	OJ991116_07.0128.C1.o1.gp	Method	AAT/GAP
Start	213	End	682
GI	none	Score	920
Exons	213..682		

Seq. No.	17585	Seq. ID	OJ991116_07.0128.C1
Gene No.	36987	Strand	-
Start	49	End	726
Name	OJ991116_07.0128.C1.o1.gs	Method	GENSCAN
Start	49	End	726
GI	none	Score	.7
Exons	49..67, 206..726		

Seq. No.	17586	Seq. ID	OJ991116_07.0128.C2
Gene No.	36988	Strand	+
Start	443	End	558
Name	OJ991116_07.0128.C2.o1.gs	Method	GENSCAN
Start	443	End	558
GI	none	Score	.99
Exons	443..558		

Seq. No.	17586	Seq. ID	OJ991116_07.0128.C2
Gene No.	36989	Strand	-
Start	1	End	7508
Name	OJ991116_07.0128.C2.o1.np	Method	AAT/NAP
Start	1	End	7508
GI	6721512	Score	123
Exons	1..205, 3318..3412, 3455..3589, 3617..3734, 5584..5913, 7199..7426, 7481..7508		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17586	Seq. ID	OJ991116_07.0128.C2
Gene No.	36989	Strand	-
Start	1	End	7508
Name	OJ991116_07.0128.C2.o2.gs	Method	GENSCAN
Start	1219	End	3742
GI	none	Score	.6
Exons	1219..1883, 3192..3272, 3340..3477, 3676..3742		

Seq. No.	17586	Seq. ID	OJ991116_07.0128.C2
Gene No.	36989	Strand	-
Start	1	End	7508
Name	OJ991116_07.0128.C2.o3.gs	Method	GENSCAN
Start	5337	End	7460
GI	none	Score	.75
Exons	5337..5453, 6386..6431, 7299..7460		

Seq. No.	17587	Seq. ID	OJ991116_07.0128.C3
Gene No.	36990	Strand	+
Start	1	End	1770
Name	OJ991116_07.0128.C3.o1.np	Method	AAT/NAP
Start	1	End	1770
GI	4680183	Score	160
Exons	1..26, 1032..1100, 1681..1770		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	17587	Seq. ID	OJ991116_07.0128.C3
Gene No.	36991	Strand	-
Start	1	End	82
Name	OJ991116_07.0128.C3.o1.gp	Method	AAT/GAP
Start	1	End	82

GI	none	Score	164
Exons	1..82		
Seq. No.	17587	Seq. ID	OJ991116_07.0128.C3
Gene No.	36992	Strand	-
Start	1055	End	3022
Name	OJ991116_07.0128.C3.o1.gs	Method	GENSCAN
Start	1055	End	3022
GI	none	Score	.48
Exons	1055..1095, 2529..2782, 2828..2893, 2986..3022		
Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36993	Strand	+
Start	739	End	5374
Name	OJ991116_07.0128.C4.o1.gs	Method	GENSCAN
Start	739	End	5374
GI	none	Score	.76
Exons	739..785, 804..1092, 1112..1335, 4453..4499, 4524..4639, 4811..4922, 5232..5374		
Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36994	Strand	+
Start	9747	End	11634
Name	OJ991116_07.0128.C4.o4.np	Method	AAT/NAP
Start	9747	End	11634
GI	6721512	Score	85
Exons	9747..9911, 9939..10074, 10117..10153, 10256..10327, 11605..11634		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36995	Strand	-
Start	1	End	396
Name	OJ991116_07.0128.C4.o1.np	Method	AAT/NAP
Start	1	End	396
GI	6630459	Score	94
Exons	1..396		
GI Descrip.	(AC007190) F23N19.12 [Arabidopsis thaliana]		
Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o5.tm	Method	TBLASTX:Maize
Start	1112	End	1439
GI	none	Score	186
Exons	1112..1288, 1116..1283, 1279..1371, 1359..1439		
Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o1.tw	Method	TBLASTX:Wheat
Start	6818	End	7250
GI	none	Score	95
Exons	6818..7036, 6840..7004, 7041..7250		
Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-

Start	10262	End	25608
Name	OJ991116_07.0128.C4.o3.ts	Method	TBLASTX:Soybean
Start	6839	End	7400
GI	none	Score	186
Exons	6839..7093, 7017..7400		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	6983	End	7890
GI	none	Score	128
Exons	6983..7006, 7029..7574, 7117..7470, 7525..7836, 7594..7890		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o2.tw	Method	TBLASTX:Wheat
Start	7606	End	7884
GI	none	Score	193
Exons	7606..7884		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o3.gs	Method	GENSCAN
Start	10262	End	19474
GI	none	Score	.87
Exons	10262..10740, 13001..13086, 13807..13841, 14113..14150, 15359..15570, 15644..15705, 16336..16566, 16884..17051, 17407..17850, 17951..18037, 18773..18904, 19370..19474		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o1.gp	Method	AAT/GAP
Start	15260	End	16426
GI	LIB3431-060-P1-N1-D8	Score	985
Exons	15260..15570, 15687..15802, 16336..16426		
GI Descrip.	'3850577 6.0e-16 (AC005278) This gene may be cut off. [Arabidopsis thaliana]'		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o2.ts	Method	TBLASTX:Soybean
Start	15288	End	16563
GI	none	Score	74
Exons	15288..15488, 15288..15569, 15669..15800, 15684..15770, 16327..16563		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o3.tm	Method	TBLASTX:Maize
Start	15711	End	17634
GI	none	Score	103

Exons	15711..15803, 15712..15810, 16336..16401, 16339..16560, 16343..16573, 16454..16582, 16804..17052, 16810..17046, 16887..17051, 17404..17634, 17415..17624, 17416..17631		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o5.np	Method	AAT/NAP
Start	16336	End	25608
GI	4587579	Score	1362
Exons	16336..16566, 16884..17051, 17407..17850, 17951..18078, 18755..18904, 19403..19567, 20751..20819, 20944..21062, 21102..21509, 23339..23644, 25551..25608		
GI Descrip.	(AC006550) F10O3.1 [Arabidopsis thaliana]		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	17542	End	18863
GI	none	Score	76
Exons	17542..17694, 17564..17674, 17717..17851, 17719..17850, 17948..18085, 18761..18862, 18774..18863		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o2.tm	Method	TBLASTX:Maize
Start	19478	End	21271
GI	none	Score	141
Exons	19478..19567, 19479..19568, 19479..19568, 20750..20818, 20751..20810, 20934..20960, 20935..21060, 20935..21060, 20942..21085, 21006..21065, 21045..21269, 21049..21270, 21050..21271, 21059..21271		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o4.gs	Method	GENSCAN
Start	20932	End	23825
GI	none	Score	.68
Exons	20932..21509, 23339..23825		

Seq. No.	17588	Seq. ID	OJ991116_07.0128.C4
Gene No.	36996	Strand	-
Start	10262	End	25608
Name	OJ991116_07.0128.C4.o4.tm	Method	TBLASTX:Maize
Start	23367	End	23639
GI	none	Score	210
Exons	23367..23576, 23391..23489, 23501..23557, 23550..23639, 23581..23637		

Seq. No.	17589	Seq. ID	OJ991116_07.0128.C5
Gene No.	36997	Strand	+
Start	748	End	1874
Name	OJ991116_07.0128.C5.o1.np	Method	AAT/NAP
Start	748	End	1874

GI	1946364	Score	1083
Exons	748..1874		
GI Descrip.	(U93215) putative lipase [Arabidopsis thaliana]		

Seq. No.	17589	Seq. ID	OJ991116_07.0128.C5
Gene No.	36998	Strand	-
Start	1557	End	1878
Name	OJ991116_07.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	799	End	1871
GI	none	Score	270
Exons	799..1005, 832..900, 903..1001, 1021..1059, 1054..1497, 1068..1364, 1378..1479, 1554..1871, 1555..1842		

Seq. No.	17589	Seq. ID	OJ991116_07.0128.C5
Gene No.	36998	Strand	-
Start	1557	End	1878
Name	OJ991116_07.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	802	End	1874
GI	none	Score	289
Exons	802..1059, 835..900, 906..1004, 1021..1269, 1044..1148, 1242..1364, 1273..1416, 1426..1497, 1434..1484, 1554..1733, 1555..1734, 1746..1874, 1747..1842		

Seq. No.	17589	Seq. ID	OJ991116_07.0128.C5
Gene No.	36998	Strand	-
Start	1557	End	1878
Name	OJ991116_07.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	814	End	1497
GI	none	Score	169
Exons	814..1017, 1015..1239, 1426..1497		

Seq. No.	17589	Seq. ID	OJ991116_07.0128.C5
Gene No.	36998	Strand	-
Start	1557	End	1878
Name	OJ991116_07.0128.C5.o1.gp	Method	AAT/GAP
Start	1557	End	1878
GI	LIB3434-055-P1-K1-F12	Score	570
Exons	1557..1878		
GI Descrip.	'1946364 5.0e-47 (U93215) lipase isolog [Arabidopsis thaliana]'		

Seq. No.	17590	Seq. ID	OJ991116_07.0128.C6
Gene No.	36999	Strand	+
Start	2893	End	3157
Name	OJ991116_07.0128.C6.o1.np	Method	AAT/NAP
Start	2893	End	3157
GI	1946364	Score	187
Exons	2893..3157		
GI Descrip.	(U93215) putative lipase [Arabidopsis thaliana]		

Seq. No.	17590	Seq. ID	OJ991116_07.0128.C6
Gene No.	36999	Strand	+
Start	2893	End	3157
Name	OJ991116_07.0128.C6.o1.gp	Method	AAT/GAP
Start	2896	End	2999
GI	LIB3434-055-P1-K1-F12	Score	180
Exons	2896..2999		
GI Descrip.	'1946364 5.0e-47 (U93215) lipase isolog [Arabidopsis thaliana]'		

Seq. No.	17590	Seq. ID	OJ991116_07.0128.C6
Gene No.	37000	Strand	+
Start	8130	End	8748
Name	OJ991116_07.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	2899	End	3069
GI	none	Score	192
Exons	2899..3069, 2900..3058		

Seq. No.	17590	Seq. ID	OJ991116_07.0128.C6
Gene No.	37000	Strand	+
Start	8130	End	8748
Name	OJ991116_07.0128.C6.o2.gs	Method	GENSCAN
Start	8130	End	8725
GI	none	Score	.97
Exons	8130..8725		

Seq. No.	17590	Seq. ID	OJ991116_07.0128.C6
Gene No.	37000	Strand	+
Start	8130	End	8748
Name	OJ991116_07.0128.C6.o2.np	Method	AAT/NAP
Start	8382	End	8748
GI	3608155	Score	105
Exons	8382..8748		
GI Descrip.	(AC005314) putative pre-mRNA splicing factor RNA helicase [Arabidopsis thaliana]		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37001	Strand	+
Start	1	End	2649
Name	OJ991116_07.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	2586
GI	3608155	Score	2505
Exons	1..548, 633..2586		
GI Descrip.	(AC005314) putative pre-mRNA splicing factor RNA helicase [Arabidopsis thaliana]		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37001	Strand	+
Start	1	End	2649
Name	OJ991116_07.0128.C7.o1.gs	Method	GENSCAN
Start	65	End	2649
GI	none	Score	.69
Exons	65..1467, 1608..2649		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37002	Strand	+
Start	5838	End	19340
Name	OJ991116_07.0128.C7.o4.np	Method	AAT/NAP
Start	5838	End	19340
GI	2500543	Score	10
Exons	5838..5875, 14151..14331, 19284..19340		
GI Descrip.	PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE EEED8.5 gi\|733602 (U23484) similar to S. cerevisiae pre-mRNA splicing factor RNA helicase PRP22 (SP:PR22_YEAST, P24384) and other DEAH subfamily members of the DEAD box family helicases [Caenorhabditis elegans]		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37003	Strand	-
Start	2997	End	12187
Name	OJ991116_07.0128.C7.o2.gs	Method	GENSCAN
Start	2997	End	12187
GI	none	Score	.66
Exons	2997..3455, 3967..4024, 4100..4239, 5066..5183, 5283..5403, 5506..5578, 5676..5788, 6008..6098, 6197..6278, 6372..6557, 7990..8084, 8121..8269, 8987..8988, 9186..9296, 10069..10223, 10319..10522, 10596..11438, 11918..12187		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37003	Strand	-
Start	2997	End	12187
Name	OJ991116_07.0128.C7.o2.np	Method	AAT/NAP
Start	3145	End	6481
GI	1806140	Score	1739
Exons	3145..3667, 3771..3841, 3967..4024, 4100..4239, 5066..5183, 5283..5403, 5506..5578, 5676..5785, 5880..5909, 6008..6098, 6197..6278, 6372..6481		
GI Descrip.	(X97314) cdc2MsC [Medicago sativa]		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37003	Strand	-
Start	2997	End	12187
Name	OJ991116_07.0128.C7.o1.gp	Method	AAT/GAP
Start	3772	End	5357
GI	2428291	Score	814
Exons	3772..3841, 3967..4024, 4100..4239, 5066..5183, 5283..5357		
GI Descrip.	1806140/emb\|CAA65979\| 6.0e-45 (X97314) cdc2MsC [Medicago sativa]		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37003	Strand	-
Start	2997	End	12187
Name	OJ991116_07.0128.C7.o3.np	Method	AAT/NAP
Start	8218	End	9296
GI	6751714	Score	88
Exons	8218..8266, 9186..9296		
GI Descrip.	(AC018848) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37004	Strand	-
Start	14053	End	14262
Name	OJ991116_07.0128.C7.o3.gs	Method	GENSCAN
Start	14053	End	14262
GI	none	Score	.95
Exons	14053..14262		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o8.tm	Method	TBLASTX:Maize
Start	149	End	673
GI	none	Score	107
Exons	149..259, 272..334, 388..543, 389..535, 617..673		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o1.tc	Method	TBLASTX:Cress
Start	617	End	2532
GI	none	Score	191
Exons	617..790, 631..786, 793..945, 794..1282, 1285..1434, 1286..1429, 1434..1469, 1536..1802, 1537..2022, 1902..2009, 2017..2073, 2085..2174, 2089..2244, 2266..2532, 2286..2324, 2412..2510		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o4.ts	Method	TBLASTX:Soybean
Start	617	End	790
GI	none	Score	191
Exons	617..790, 700..789		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o10.tm	Method	TBLASTX:Maize
Start	674	End	931
GI	none	Score	134
Exons	674..787, 700..786, 797..931		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o3.ts	Method	TBLASTX:Soybean
Start	803	End	1141
GI	none	Score	469
Exons	803..1141, 811..945		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o4.tm	Method	TBLASTX:Maize
Start	932	End	1207
GI	none	Score	398
Exons	932..1207, 1024..1191		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o6.tm	Method	TBLASTX:Maize
Start	1211	End	1614
GI	none	Score	100
Exons	1211..1282, 1285..1434, 1286..1429, 1414..1470, 1434..1469, 1536..1613, 1537..1614		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o2.ts	Method	TBLASTX:Soybean
Start	1536	End	2538

GI	none	Score	430
Exons	1536..1724, 1537..1980, 2014..2073, 2092..2244, 2272..2400, 2413..2538		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o2.tm	Method	TBLASTX:Maize
Start	1615	End	2235
GI	none	Score	571
Exons	1615..2025, 1626..1802, 1864..2001, 1902..2009, 2020..2073, 2064..2183, 2089..2235, 2110..2214		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o5.tm	Method	TBLASTX:Maize
Start	2271	End	2538
GI	none	Score	377
Exons	2271..2513, 2272..2538		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o1.tm	Method	TBLASTX:Maize
Start	3115	End	6484
GI	none	Score	102
Exons	3115..3162, 3116..3175, 3144..3293, 3145..3312, 3341..3379, 3348..3470, 3351..3470, 3379..3477, 3421..3474, 3475..3669, 3484..3669, 3491..3691, 3771..3842, 3772..3843, 3773..3844, 3773..3844, 3966..4028, 3967..4035, 3968..3994, 3973..4023, 4100..4240, 4101..4241, 4102..4242, 4141..4242, 5063..5185, 5066..5188, 5067..5186, 5282..5410, 5283..5405, 5287..5406, 5504..5581, 5504..5581, 5676..5789, 5677..5784, 5879..5920, 5881..5910, 5994..6098, 6007..6141, 6007..6099, 6182..6277, 6183..6278, 6371..6484, 6372..6467		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o1.ts	Method	TBLASTX:Soybean
Start	3318	End	6484
GI	none	Score	36
Exons	3318..3356, 3350..3418, 3351..3422, 3421..3504, 3523..3669, 3524..3670, 3771..3857, 3773..3844, 3967..4023, 3971..3994, 4100..4240, 4102..4242, 4147..4242, 5063..5176, 5066..5188, 5067..5186, 5282..5410, 5283..5405, 5504..5581, 5505..5579, 5507..5581, 5676..5783, 5677..5784, 5677..5784, 5699..5785, 5827..5904, 5881..5910, 5882..5920, 5994..6098, 6007..6099, 6182..6277, 6183..6275, 6371..6484, 6372..6467		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o3.tc	Method	TBLASTX:Cress
Start	3502	End	5314
GI	none	Score	78

Exons	3502..3657, 3503..3691, 3526..3669, 3771..3845, 3773..3844, 3779..3856, 3967..4023, 4088..4237, 4102..4236, 4150..4242, 5039..5173, 5066..5188, 5067..5186, 5282..5314, 5282..5314		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o2.tw	Method	TBLASTX:Wheat
Start	5132	End	5780
GI	none	Score	95
Exons	5132..5188, 5282..5410, 5286..5405, 5504..5581, 5504..5581, 5676..5780		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o2.tc	Method	TBLASTX:Cress
Start	5546	End	6464
GI	none	Score	40
Exons	5546..5581, 5553..5579, 5676..5780, 5676..5780, 5677..5781, 5677..5781, 5714..5785, 5827..5904, 5881..5910, 5882..5920, 5994..6098, 5995..6099, 6182..6277, 6183..6275, 6371..6439, 6372..6449, 6438..6464		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o9.tm	Method	TBLASTX:Maize
Start	8227	End	10185
GI	none	Score	68
Exons	8227..8271, 8227..8271, 9185..9298, 9192..9296, 10039..10185, 10051..10185		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o3.tm	Method	TBLASTX:Maize
Start	10186	End	10968
GI	none	Score	62
Exons	10186..10224, 10187..10228, 10304..10474, 10317..10472, 10317..10475, 10318..10494, 10468..10524, 10484..10525, 10560..10664, 10594..10617, 10607..10648, 10608..10724, 10683..10967, 10684..10968		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o7.tm	Method	TBLASTX:Maize
Start	10991	End	11250
GI	none	Score	291
Exons	10991..11239, 11001..11249, 11002..11232, 11027..11239, 11176..11250		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o4.gs	Method	GENSCAN

Start	15671	End	19280
GI	none	Score	.51
Exons	15671..15792, 16076..16969, 17018..17153, 17724..17809, 19186..19280		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o5.np	Method	AAT/NAP
Start	15674	End	19340
GI	6815052	Score	1909
Exons	15674..15792, 16076..16150, 16232..16969, 17018..17153, 17936..18028, 18888..18987, 19285..19340		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	17591	Seq. ID	OJ991116_07.0128.C7
Gene No.	37005	Strand	-
Start	15671	End	19340
Name	OJ991116_07.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	17208	End	17702
GI	none	Score	65
Exons	17208..17702, 17308..17466, 17412..17678		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37006	Strand	+
Start	4585	End	9292
Name	OJ991116_07.0128.C8.o2.gs	Method	GENSCAN
Start	4585	End	9234
GI	none	Score	.63
Exons	4585..4649, 5538..5723, 6010..6073, 6691..6750, 7394..7515, 7653..7762, 8140..8294, 8938..9234		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37006	Strand	+
Start	4585	End	9292
Name	OJ991116_07.0128.C8.o2.gp	Method	AAT/GAP
Start	5523	End	6833
GI	2428531	Score	792
Exons	5523..5723, 5805..5884, 6024..6073, 6209..6258, 6751..6833		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37006	Strand	+
Start	4585	End	9292
Name	OJ991116_07.0128.C8.o3.gp	Method	AAT/GAP
Start	7635	End	8099
GI	none	Score	795
Exons	7635..8099		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37006	Strand	+
Start	4585	End	9292
Name	OJ991116_07.0128.C8.o4.gp	Method	AAT/GAP
Start	8461	End	9292
GI	LIB3432-023-P1-K1-D4	Score	830
Exons	8461..8559, 8938..9292		
GI Descrip.	'3702632/emb\|CAA21225\| 2.0e-10 (AL031824) putative transcriptional regulator [Schizosaccharomyces pombe]		

>gi_3859080_emb_CAA21957_ (AL033406) putative alcohol dehydrogenase repressor protein [Schizosaccharomyces pombe]'

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37007	Strand	-
Start	1	End	327
Name	OJ991116_07.0128.C8.o1.np	Method	AAT/NAP
Start	1	End	327
GI	6815052	Score	334
Exons	1..92, 174..327		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37008	Strand	-
Start	9926	End	11793
Name	OJ991116_07.0128.C8.o3.tm	Method	TBLASTX:Maize
Start	7432	End	9086
GI	none	Score	129
Exons	7432..7515, 7433..7555, 7436..7555, 7651..7761, 7658..7762, 7659..7763, 8129..8302, 8130..8303, 8158..8304, 8158..8304, 8405..8515, 8410..8562, 8412..8564, 8412..8564, 8413..8568, 8930..9085, 8937..9086		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37008	Strand	-
Start	9926	End	11793
Name	OJ991116_07.0128.C8.o1.ts	Method	TBLASTX:Soybean
Start	9054	End	9219
GI	none	Score	185
Exons	9054..9206, 9055..9219		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37008	Strand	-
Start	9926	End	11793
Name	OJ991116_07.0128.C8.o4.tm	Method	TBLASTX:Maize
Start	9087	End	9219
GI	none	Score	193
Exons	9087..9218, 9088..9219		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37008	Strand	-
Start	9926	End	11793
Name	OJ991116_07.0128.C8.o5.gp	Method	AAT/GAP
Start	9615	End	10466
GI	22646_1.R1084	Score	1654
Exons	9615..10466		
GI Descrip.	'5042424/gb\|AAD38263.1\|AC006193_19 2.0e-43 (AC006193) Hypothetical Protein [Arabidopsis thaliana]'		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37008	Strand	-
Start	9926	End	11793
Name	OJ991116_07.0128.C8.o1.tw	Method	TBLASTX:Wheat
Start	9906	End	10312
GI	none	Score	446
Exons	9906..10304, 9962..10312, 9963..10310		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37008	Strand	-
Start	9926	End	11793
Name	OJ991116_07.0128.C8.o3.np	Method	AAT/NAP
Start	9920	End	11793
GI	5042424	Score	882
Exons	9920..10968, 11762..11793		
GI Descrip.	(AC006193) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37008	Strand	-
Start	9926	End	11793
Name	OJ991116_07.0128.C8.o3.gs	Method	GENSCAN
Start	9926	End	10968
GI	none	Score	.87
Exons	9926..10968		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37008	Strand	-
Start	9926	End	11793
Name	OJ991116_07.0128.C8.o1.tm	Method	TBLASTX:Maize
Start	10088	End	10489
GI	none	Score	524
Exons	10088..10489, 10089..10487, 10225..10488		

Seq. No.	17592	Seq. ID	OJ991116_07.0128.C8
Gene No.	37008	Strand	-
Start	9926	End	11793
Name	OJ991116_07.0128.C8.o2.tm	Method	TBLASTX:Maize
Start	10683	End	10970
GI	none	Score	386
Exons	10683..10970, 10685..10969		

Seq. No.	17593	Seq. ID	OJ991116_07.0128.C9
Gene No.	37009	Strand	+
Start	1396	End	1513
Name	OJ991116_07.0128.C9.o2.np	Method	AAT/NAP
Start	1396	End	1513
GI	6539238	Score	36
Exons	1396..1513		
GI Descrip.	(AC011765) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	17593	Seq. ID	OJ991116_07.0128.C9
Gene No.	37010	Strand	-
Start	1	End	817
Name	OJ991116_07.0128.C9.o1.np	Method	AAT/NAP
Start	1	End	380
GI	5042424	Score	207
Exons	1..380		
GI Descrip.	(AC006193) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	17593	Seq. ID	OJ991116_07.0128.C9
Gene No.	37010	Strand	-
Start	1	End	817
Name	OJ991116_07.0128.C9.o1.tc	Method	TBLASTX:Cress
Start	96	End	324

GI	none	Score	79
Exons	96..194, 103..201, 223..324, 231..323		
Seq. No.	17593	Seq. ID	OJ991116_07.0128.C9
Gene No.	37010	Strand	-
Start	1	End	817
Name	OJ991116_07.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	96	End	333
GI	none	Score	365
Exons	96..332, 103..333		
Seq. No.	17593	Seq. ID	OJ991116_07.0128.C9
Gene No.	37010	Strand	-
Start	1	End	817
Name	OJ991116_07.0128.C9.o1.gs	Method	GENSCAN
Start	101	End	817
GI	none	Score	.67
Exons	101..290, 401..817		
Seq. No.	17594	Seq. ID	OJ991116_07.0128.C10
Gene No.	37011	Strand	+
Start	25	End	2708
Name	OJ991116_07.0128.C10.o1.gs	Method	GENSCAN
Start	25	End	1139
GI	none	Score	.68
Exons	25..123, 142..285, 784..883, 1015..1139		
Seq. No.	17594	Seq. ID	OJ991116_07.0128.C10
Gene No.	37011	Strand	+
Start	25	End	2708
Name	OJ991116_07.0128.C10.o1.np	Method	AAT/NAP
Start	838	End	2708
GI	6912488	Score	186
Exons	838..883, 1015..1138, 2606..2708		
GI Descrip.	U6 snRNA-associated Sm-like protein gi\|5262860\|emb\|CAB45868.1\| (AJ238097) Lsm5 protein [Homo sapiens] gi\|5919151\|gb\|AAD56229.1\|AF182291_1 (AF182291) U6 snRNA-associated Sm-like protein LSm5 [Homo sapiens]		
Seq. No.	17594	Seq. ID	OJ991116_07.0128.C10
Gene No.	37011	Strand	+
Start	25	End	2708
Name	OJ991116_07.0128.C10.o1.tm	Method	TBLASTX:Maize
Start	843	End	1139
GI	none	Score	68
Exons	843..884, 846..881, 1002..1136, 1012..1074, 1014..1139		
Seq. No.	17594	Seq. ID	OJ991116_07.0128.C10
Gene No.	37011	Strand	+
Start	25	End	2708
Name	OJ991116_07.0128.C10.o1.ts	Method	TBLASTX:Soybean
Start	856	End	1142
GI	none	Score	47
Exons	856..882, 1002..1136, 1012..1137, 1012..1074, 1013..1138, 1013..1093, 1014..1142		
Seq. No.	17595	Seq. ID	OJ991006_03.0125.C1

Gene No.	37012	Strand	-
Start	473	End	558
Name	OJ991006_03.0125.C1.o1.gs	Method	GENSCAN
Start	473	End	558
GI	none	Score	.99
Exons	473..558		

Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o1.gs	Method	GENSCAN
Start	537	End	4019
GI	none	Score	.66
Exons	537..1302, 1341..1369, 1594..2788, 3447..4019		

Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o1.gp	Method	AAT/GAP
Start	812	End	1266
GI	95437_1.R1084	Score	778
Exons	812..1266		
GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o1.np	Method	AAT/NAP
Start	1591	End	4043
GI	4680179	Score	2281
Exons	1591..2676, 2710..4043		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o4.tw	Method	TBLASTX:Wheat
Start	1807	End	2033
GI	none	Score	211
Exons	1807..1827, 1834..2031, 1836..2033		

Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o2.tw	Method	TBLASTX:Wheat
Start	2067	End	2418
GI	none	Score	294
Exons	2067..2261, 2068..2418		

Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o2.tm	Method	TBLASTX:Maize
Start	2068	End	2373
GI	none	Score	233

Exons	2068..2373, 2082..2174		
Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o5.tw	Method	TBLASTX:Wheat
Start	2617	End	2994
GI	none	Score	59
Exons	2617..2712, 2702..2752, 2740..2994, 2793..2933		
Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o1.tw	Method	TBLASTX:Wheat
Start	3394	End	3772
GI	none	Score	469
Exons	3394..3729, 3395..3772, 3404..3769		
Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o1.tm	Method	TBLASTX:Maize
Start	3395	End	3826
GI	none	Score	367
Exons	3395..3826, 3625..3789		
Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o1.ts	Method	TBLASTX:Soybean
Start	3713	End	4042
GI	none	Score	57
Exons	3713..3745, 3715..3744, 3749..4042, 3750..3782, 3752..4033, 3832..4038		
Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o3.tw	Method	TBLASTX:Wheat
Start	3821	End	4042
GI	none	Score	267
Exons	3821..4042, 3821..4039, 3832..4041		
Seq. No.	17596	Seq. ID	OJ991006_03.0125.C2
Gene No.	37013	Strand	+
Start	537	End	4043
Name	OJ991006_03.0125.C2.o3.tm	Method	TBLASTX:Maize
Start	3827	End	3990
GI	none	Score	202
Exons	3827..3988, 3827..3979, 3832..3990		
Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o1.gp	Method	AAT/GAP
Start	177	End	562
GI	uC-osflcyp033a04b1	Score	653

Exons	177..562		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o1.gs	Method	GENSCAN
Start	282	End	7003
GI	none	Score	.78
Exons	282..347, 1447..2212, 2251..2279, 2504..6490, 6509..7003		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o3.gp	Method	AAT/GAP
Start	1722	End	2176
GI	95437_1.R1084	Score	786
Exons	1722..2176		
GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o2.tw	Method	TBLASTX:Wheat
Start	2204	End	5989
GI	none	Score	51
Exons	2204..2266, 5422..5985, 5453..5989		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o1.np	Method	AAT/NAP
Start	2501	End	7000
GI	4680179	Score	5433
Exons	2501..3565, 3599..7000		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o9.tw	Method	TBLASTX:Wheat
Start	2726	End	2925
GI	none	Score	211
Exons	2726..2923, 2728..2925		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o7.tw	Method	TBLASTX:Wheat
Start	2952	End	3310
GI	none	Score	53
Exons	2952..3056, 2959..3153, 2960..3310		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3

Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o6.tm	Method	TBLASTX:Maize
Start	2960	End	3265
GI	none	Score	232
Exons	2960..3265, 2974..3090		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o7.tm	Method	TBLASTX:Maize
Start	3590	End	3943
GI	none	Score	189
Exons	3590..3943		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o8.tw	Method	TBLASTX:Wheat
Start	3626	End	4048
GI	none	Score	163
Exons	3626..3835, 3682..3834, 3880..3993, 3881..4048		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o4.tw	Method	TBLASTX:Wheat
Start	4163	End	4645
GI	none	Score	51
Exons	4163..4213, 4267..4602, 4268..4645		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o5.tm	Method	TBLASTX:Maize
Start	4175	End	4464
GI	none	Score	277
Exons	4175..4462, 4273..4464		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o2.tc	Method	TBLASTX:Cress
Start	4292	End	4609
GI	none	Score	180
Exons	4292..4609		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o3.tm	Method	TBLASTX:Maize
Start	4532	End	5032
GI	none	Score	167
Exons	4532..4711, 4540..4686, 4718..5032, 4858..4911		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+

Start	177	End	7003
Name	OJ991006_03.0125.C3.o1.ts	Method	TBLASTX:Soybean
Start	4586	End	4981
GI	none	Score	57
Exons	4586..4618, 4588..4617, 4622..4981, 4624..4662, 4690..4980		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o5.tw	Method	TBLASTX:Wheat
Start	4694	End	4996
GI	none	Score	381
Exons	4694..4996, 4696..4980, 4697..4990		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o3.tw	Method	TBLASTX:Wheat
Start	4997	End	5419
GI	none	Score	598
Exons	4997..5419, 5029..5418		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o3.ts	Method	TBLASTX:Soybean
Start	5003	End	5248
GI	none	Score	207
Exons	5003..5248, 5020..5247		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o2.tm	Method	TBLASTX:Maize
Start	5068	End	5422
GI	none	Score	482
Exons	5068..5418, 5069..5422		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o1.tc	Method	TBLASTX:Cress
Start	5696	End	6013
GI	none	Score	90
Exons	5696..5869, 5870..6013, 5872..6012		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o2.ts	Method	TBLASTX:Soybean
Start	5777	End	6037
GI	none	Score	297
Exons	5777..6037, 5780..6028, 5782..6036		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003

Name	OJ991006_03.0125.C3.o4.tm	Method	TBLASTX:Maize
Start	5835	End	6127
GI	none	Score	97
Exons	5835..6023, 5836..6123, 5837..6127		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o1.tw	Method	TBLASTX:Wheat
Start	5996	End	6622
GI	none	Score	693
Exons	5996..6622, 6052..6510, 6497..6619		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o1.tm	Method	TBLASTX:Maize
Start	6176	End	6775
GI	none	Score	231
Exons	6176..6337, 6184..6330, 6334..6759, 6335..6775, 6497..6760		

Seq. No.	17597	Seq. ID	OJ991006_03.0125.C3
Gene No.	37014	Strand	+
Start	177	End	7003
Name	OJ991006_03.0125.C3.o6.tw	Method	TBLASTX:Wheat
Start	6622	End	6955
GI	none	Score	329
Exons	6622..6891, 6623..6955, 6626..6934		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886
Name	OJ991006_03.0125.C4.o1.np	Method	AAT/NAP
Start	1	End	1883
GI	4680179	Score	2736
Exons	1..1883		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886
Name	OJ991006_03.0125.C4.o2.tm	Method	TBLASTX:Maize
Start	2	End	314
GI	none	Score	425
Exons	2..301, 3..305, 3..314		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886
Name	OJ991006_03.0125.C4.o3.tw	Method	TBLASTX:Wheat
Start	2	End	302
GI	none	Score	463
Exons	2..301, 3..302		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886

Name	OJ991006_03.0125.C4.o1.gs	Method	GENSCAN
Start	6	End	1886
GI	none	Score	1
Exons	6..1886		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886
Name	OJ991006_03.0125.C4.o2.tw	Method	TBLASTX:Wheat
Start	305	End	872
GI	none	Score	653
Exons	305..868, 336..872, 417..872		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886
Name	OJ991006_03.0125.C4.o1.tc	Method	TBLASTX:Cress
Start	579	End	896
GI	none	Score	90
Exons	579..752, 753..896, 755..895		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886
Name	OJ991006_03.0125.C4.o1.ts	Method	TBLASTX:Soybean
Start	660	End	921
GI	none	Score	297
Exons	660..920, 665..919, 784..921		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886
Name	OJ991006_03.0125.C4.o3.tm	Method	TBLASTX:Maize
Start	719	End	1010
GI	none	Score	374
Exons	719..1006, 720..1010		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886
Name	OJ991006_03.0125.C4.o1.tw	Method	TBLASTX:Wheat
Start	879	End	1505
GI	none	Score	704
Exons	879..1505, 935..1393, 1251..1502		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886
Name	OJ991006_03.0125.C4.o1.tm	Method	TBLASTX:Maize
Start	1059	End	1658
GI	none	Score	227
Exons	1059..1220, 1067..1213, 1218..1658, 1220..1642		

Seq. No.	17598	Seq. ID	OJ991006_03.0125.C4
Gene No.	37015	Strand	+
Start	1	End	1886
Name	OJ991006_03.0125.C4.o4.tw	Method	TBLASTX:Wheat

Start	1505	End	1838
GI	none	Score	329
Exons	1505..1774, 1506..1838, 1509..1817		

Seq. No.	17599	Seq. ID	OJ991006_03.0125.C6
Gene No.	37016	Strand	-
Start	75	End	741
Name	OJ991006_03.0125.C6.o1.ts	Method	TBLASTX:Soybean
Start	63	End	717
GI	none	Score	85
Exons	63..323, 342..581, 607..717		

Seq. No.	17599	Seq. ID	OJ991006_03.0125.C6
Gene No.	37016	Strand	-
Start	75	End	741
Name	OJ991006_03.0125.C6.o1.np	Method	AAT/NAP
Start	75	End	741
GI	6630685	Score	668
Exons	75..741		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	17599	Seq. ID	OJ991006_03.0125.C6
Gene No.	37016	Strand	-
Start	75	End	741
Name	OJ991006_03.0125.C6.o1.tc	Method	TBLASTX:Cress
Start	93	End	458
GI	none	Score	81
Exons	93..338, 336..458		

Seq. No.	17599	Seq. ID	OJ991006_03.0125.C6
Gene No.	37016	Strand	-
Start	75	End	741
Name	OJ991006_03.0125.C6.o1.tm	Method	TBLASTX:Maize
Start	93	End	717
GI	none	Score	104
Exons	93..584, 111..323, 193..582, 578..712, 580..717		

Seq. No.	17599	Seq. ID	OJ991006_03.0125.C6
Gene No.	37016	Strand	-
Start	75	End	741
Name	OJ991006_03.0125.C6.o1.tw	Method	TBLASTX:Wheat
Start	138	End	572
GI	none	Score	89
Exons	138..329, 138..314, 333..572		

Seq. No.	17600	Seq. ID	OJ991006_03.0125.C7
Gene No.	37017	Strand	+
Start	1	End	378
Name	OJ991006_03.0125.C7.o1.np	Method	AAT/NAP
Start	1	End	378
GI	4680186	Score	280
Exons	1..29, 180..378		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17600	Seq. ID	OJ991006_03.0125.C7
Gene No.	37018	Strand	-

Start	179	End	311
Name	OJ991006_03.0125.C7.o1.gp	Method	AAT/GAP
Start	179	End	311
GI	uC-osflcyp033a04b1	Score	217
Exons	179..311		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37019	Strand	+
Start	957	End	1450
Name	OJ991006_03.0125.C8.o1.gp	Method	AAT/GAP
Start	957	End	1450
GI	38782_1.R1084	Score	797
Exons	957..1450		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37020	Strand	+
Start	2175	End	7569
Name	OJ991006_03.0125.C8.o2.np	Method	AAT/NAP
Start	2175	End	7569
GI	4680179	Score	4437
Exons	2175..2252, 3094..4075, 4178..7569		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37021	Strand	-
Start	1	End	636
Name	OJ991006_03.0125.C8.o1.np	Method	AAT/NAP
Start	1	End	636
GI	6907088	Score	385
Exons	1..50, 148..323, 499..636		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o8.tw	Method	TBLASTX:Wheat
Start	3244	End	3615
GI	none	Score	256
Exons	3244..3615		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o7.tm	Method	TBLASTX:Maize
Start	3496	End	3897
GI	none	Score	226
Exons	3496..3897		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o8.tm	Method	TBLASTX:Maize
Start	4206	End	4530

GI	none	Score	204
Exons	4206..4319, 4207..4530		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o7.tw	Method	TBLASTX:Wheat
Start	4213	End	4617
GI	none	Score	161
Exons	4213..4434, 4213..4266, 4248..4367, 4443..4562, 4447..4617		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o4.tw	Method	TBLASTX:Wheat
Start	4758	End	5241
GI	none	Score	539
Exons	4758..5213, 4759..5241, 4786..5232		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o5.tm	Method	TBLASTX:Maize
Start	4770	End	5058
GI	none	Score	329
Exons	4770..5057, 4771..5058, 4786..5058		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o3.tm	Method	TBLASTX:Maize
Start	5128	End	5628
GI	none	Score	159
Exons	5128..5307, 5293..5628		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o1.ts	Method	TBLASTX:Soybean
Start	5182	End	5577
GI	none	Score	56
Exons	5182..5214, 5182..5214, 5199..5294, 5218..5577, 5218..5526, 5334..5549		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o5.tw	Method	TBLASTX:Wheat
Start	5290	End	5586
GI	none	Score	369
Exons	5290..5586, 5334..5549		

Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o2.tw	Method	TBLASTX:Wheat
Start	5592	End	6018

GI	none	Score	591
Exons	5592..6017, 5593..6018		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o3.ts	Method	TBLASTX:Soybean
Start	5599	End	5844
GI	none	Score	212
Exons	5599..5844		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o2.tm	Method	TBLASTX:Maize
Start	5665	End	6023
GI	none	Score	459
Exons	5665..6018, 5667..6017, 5826..6023		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o3.tw	Method	TBLASTX:Wheat
Start	6061	End	6585
GI	none	Score	583
Exons	6061..6585, 6213..6581		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o1.tc	Method	TBLASTX:Cress
Start	6292	End	6609
GI	none	Score	101
Exons	6292..6465, 6313..6465, 6466..6609, 6468..6593		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o2.ts	Method	TBLASTX:Soybean
Start	6378	End	6633
GI	none	Score	296
Exons	6378..6632, 6385..6633, 6505..6633		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o4.tm	Method	TBLASTX:Maize
Start	6431	End	6723
GI	none	Score	75
Exons	6431..6583, 6433..6723, 6444..6719, 6505..6720		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o1.tw	Method	TBLASTX:Wheat
Start	6592	End	7192
GI	none	Score	545

Exons	6592..7125, 6648..7121, 6788..7141, 7109..7192, 7120..7191		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o1.tm	Method	TBLASTX:Maize
Start	6754	End	7294
GI	none	Score	214
Exons	6754..6924, 6756..6923, 6778..6930, 6919..7128, 6921..7127, 7123..7290, 7124..7294		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o6.tw	Method	TBLASTX:Wheat
Start	7192	End	7525
GI	none	Score	355
Exons	7192..7473, 7193..7525, 7367..7504		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o6.tm	Method	TBLASTX:Maize
Start	7295	End	7510
GI	none	Score	244
Exons	7295..7510, 7297..7461, 7316..7507		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o2.gs	Method	GENSCAN
Start	7361	End	8065
GI	none	Score	.47
Exons	7361..7608, 8002..8065		
Seq. No.	17601	Seq. ID	OJ991006_03.0125.C8
Gene No.	37022	Strand	-
Start	7361	End	8327
Name	OJ991006_03.0125.C8.o3.np	Method	AAT/NAP
Start	7558	End	8327
GI	5734635	Score	263
Exons	7558..7596, 7782..8327		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		
Seq. No.	17602	Seq. ID	OJ991006_03.0125.C9
Gene No.	37023	Strand	+
Start	1514	End	2112
Name	OJ991006_03.0125.C9.o2.gs	Method	GENSCAN
Start	1514	End	2112
GI	none	Score	.88
Exons	1514..1568, 1610..1657, 2039..2112		
Seq. No.	17602	Seq. ID	OJ991006_03.0125.C9
Gene No.	37024	Strand	-
Start	1	End	717
Name	OJ991006_03.0125.C9.o1.np	Method	AAT/NAP
Start	1	End	717

GI	6907086	Score	760
Exons	1..717		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17602	Seq. ID	OJ991006_03.0125.C9
Gene No.	37024	Strand	-
Start	1	End	717
Name	OJ991006_03.0125.C9.o1.gs	Method	GENSCAN
Start	24	End	692
GI	none	Score	.84
Exons	24..463, 593..692		

Seq. No.	17602	Seq. ID	OJ991006_03.0125.C9
Gene No.	37025	Strand	-
Start	1205	End	2945
Name	OJ991006_03.0125.C9.o2.np	Method	AAT/NAP
Start	1205	End	2945
GI	4680186	Score	162
Exons	1205..1621, 2101..2159, 2835..2945		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17603	Seq. ID	OJ991006_03.0125.C10
Gene No.	37026	Strand	-
Start	1	End	1013
Name	OJ991006_03.0125.C10.o1.np	Method	AAT/NAP
Start	1	End	297
GI	6539588	Score	271
Exons	1..297		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17603	Seq. ID	OJ991006_03.0125.C10
Gene No.	37026	Strand	-
Start	1	End	1013
Name	OJ991006_03.0125.C10.o1.gs	Method	GENSCAN
Start	32	End	1013
GI	none	Score	.74
Exons	32..270, 508..712, 801..1013		

Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o1.np	Method	AAT/NAP
Start	1	End	2874
GI	3777527	Score	1164
Exons	1..834, 1017..1680, 2832..2874		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o2.tm	Method	TBLASTX:Maize
Start	2	End	428
GI	none	Score	153
Exons	2..400, 2..427, 54..428		

Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-

Start	1	End	2874
Name	OJ991006_03.0125.C11.o1.ts	Method	TBLASTX:Soybean
Start	90	End	655
GI	5509260	Score	372
Exons	90..614, 95..655, 317..640		
GI Descrip.	-		

Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o1.tw	Method	TBLASTX:Wheat
Start	98	End	575
GI	none	Score	109
Exons	98..277, 103..276, 104..505, 114..284, 321..443, 468..575, 485..574		

Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o1.tc	Method	TBLASTX:Cress
Start	209	End	470
GI	none	Score	114
Exons	209..469, 210..470		

Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o3.tm	Method	TBLASTX:Maize
Start	431	End	709
GI	none	Score	55
Exons	431..490, 431..490, 482..625, 486..608, 668..709		

Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o1.gs	Method	GENSCAN
Start	644	End	1672
GI	none	Score	.56
Exons	644..825, 840..1016, 1038..1292, 1495..1672		

Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o2.np	Method	AAT/NAP
Start	651	End	2781
GI	6907087	Score	386
Exons	651..703, 2398..2781		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o1.tm	Method	TBLASTX:Maize
Start	1042	End	1666
GI	none	Score	143

Exons	1042..1194, 1189..1365, 1190..1366, 1361..1600, 1362..1514, 1599..1661, 1601..1666		
Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o2.ts	Method	TBLASTX:Soybean
Start	1042	End	1492
GI	none	Score	79
Exons	1042..1170, 1192..1365, 1199..1366, 1361..1492, 1362..1472		
Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o2.tc	Method	TBLASTX:Cress
Start	1043	End	1474
GI	none	Score	74
Exons	1043..1180, 1048..1179, 1195..1353, 1361..1474, 1389..1466		
Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o2.tw	Method	TBLASTX:Wheat
Start	1108	End	1660
GI	none	Score	185
Exons	1108..1191, 1186..1266, 1361..1660		
Seq. No.	17604	Seq. ID	OJ991006_03.0125.C11
Gene No.	37027	Strand	-
Start	1	End	2874
Name	OJ991006_03.0125.C11.o1.gp	Method	AAT/GAP
Start	2413	End	2823
GI	uC-osflm202100h04b1	Score	759
Exons	2413..2823		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	17605	Seq. ID	OJ991006_03.0125.C12
Gene No.	37028	Strand	+
Start	377	End	1084
Name	OJ991006_03.0125.C12.o1.gs	Method	GENSCAN
Start	377	End	1084
GI	none	Score	.51
Exons	377..580, 978..1084		
Seq. No.	17605	Seq. ID	OJ991006_03.0125.C12
Gene No.	37029	Strand	-
Start	128	End	512
Name	OJ991006_03.0125.C12.o1.gp	Method	AAT/GAP
Start	128	End	512
GI	uC-osflcyp033a04b1	Score	670
Exons	128..512		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	17605	Seq. ID	OJ991006_03.0125.C12
Gene No.	37030	Strand	-

Start	977	End	7535
Name	OJ991006_03.0125.C12.o1.np	Method	AAT/NAP
Start	977	End	6086
GI	6907087	Score	998
Exons	977..1078, 1629..2323, 2533..2667, 5843..6086		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17605	Seq. ID	OJ991006_03.0125.C12
Gene No.	37030	Strand	-
Start	977	End	7535
Name	OJ991006_03.0125.C12.o3.gp	Method	AAT/GAP
Start	2543	End	6128
GI	uC-osflm202100h04b1	Score	740
Exons	2543..2674, 5850..6128		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17605	Seq. ID	OJ991006_03.0125.C12
Gene No.	37030	Strand	-
Start	977	End	7535
Name	OJ991006_03.0125.C12.o2.np	Method	AAT/NAP
Start	3348	End	7535
GI	3645899	Score	257
Exons	3348..3372, 6891..7535		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	17606	Seq. ID	OJ991006_03.0125.C13
Gene No.	37031	Strand	-
Start	2092	End	2533
Name	OJ991006_03.0125.C13.o2.gs	Method	GENSCAN
Start	2092	End	2533
GI	none	Score	.69
Exons	2092..2533		

Seq. No.	17607	Seq. ID	OJ991006_03.0125.C14
Gene No.	37032	Strand	+
Start	182	End	210
Name	OJ991006_03.0125.C14.o1.gs	Method	GENSCAN
Start	182	End	210
GI	none	Score	.47
Exons	182..210		

Seq. No.	17608	Seq. ID	OJ991006_03.0125.C15
Gene No.	37033	Strand	+
Start	57	End	7018
Name	OJ991006_03.0125.C15.o1.gs	Method	GENSCAN
Start	57	End	5584
GI	none	Score	.79
Exons	57..195, 816..1216, 1348..1519, 1777..1877, 3544..3649, 3947..5320, 5429..5584		

Seq. No.	17608	Seq. ID	OJ991006_03.0125.C15
Gene No.	37033	Strand	+
Start	57	End	7018
Name	OJ991006_03.0125.C15.o1.gp	Method	AAT/GAP

Start	2302	End	2686
GI	uC-osflcyp033a04b1	Score	616
Exons	2302..2686		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17608	Seq. ID	OJ991006_03.0125.C15
Gene No.	37033	Strand	+
Start	57	End	7018
Name	OJ991006_03.0125.C15.o2.np	Method	AAT/NAP
Start	4217	End	7018
GI	161752	Score	120
Exons	4217..4313, 4431..4564, 4598..4673, 4819..4897, 5165..5282, 6998..7018		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi\|737494\|prf\|\|1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	17608	Seq. ID	OJ991006_03.0125.C15
Gene No.	37034	Strand	-
Start	1	End	2582
Name	OJ991006_03.0125.C15.o1.np	Method	AAT/NAP
Start	1	End	2582
GI	5852180	Score	576
Exons	1..250, 962..1372, 1424..1535, 2529..2582		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	17609	Seq. ID	OJ991006_03.0125.C16
Gene No.	37035	Strand	+
Start	1070	End	4871
Name	OJ991006_03.0125.C16.o3.np	Method	AAT/NAP
Start	1070	End	4871
GI	5091513	Score	991
Exons	1070..1138, 1335..1578, 4140..4871		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17609	Seq. ID	OJ991006_03.0125.C16
Gene No.	37035	Strand	+
Start	1070	End	4871
Name	OJ991006_03.0125.C16.o1.gp	Method	AAT/GAP
Start	3203	End	3449
GI	3761181	Score	421
Exons	3203..3449		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	17609	Seq. ID	OJ991006_03.0125.C16
Gene No.	37035	Strand	+
Start	1070	End	4871
Name	OJ991006_03.0125.C16.o3.gs	Method	GENSCAN
Start	3347	End	4786
GI	none	Score	.94
Exons	3347..3411, 3479..3539, 3623..3969, 4081..4786		

Seq. No.	17609	Seq. ID	OJ991006_03.0125.C16
Gene No.	37036	Strand	-
Start	76	End	3124
Name	OJ991006_03.0125.C16.o1.gs	Method	GENSCAN

Start	76	End	1612
GI	none	Score	.65
Exons	76..246, 905..1066, 1532..1612		

Seq. No.	17609	Seq. ID	OJ991006_03.0125.C16
Gene No.	37036	Strand	-
Start	76	End	3124
Name	OJ991006_03.0125.C16.o1.np	Method	AAT/NAP
Start	892	End	1127
GI	6539588	Score	129
Exons	892..1127		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17609	Seq. ID	OJ991006_03.0125.C16
Gene No.	37036	Strand	-
Start	76	End	3124
Name	OJ991006_03.0125.C16.o2.np	Method	AAT/NAP
Start	1277	End	2891
GI	6907086	Score	991
Exons	1277..1658, 1876..2109, 2170..2891		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17609	Seq. ID	OJ991006_03.0125.C16
Gene No.	37036	Strand	-
Start	76	End	3124
Name	OJ991006_03.0125.C16.o2.gs	Method	GENSCAN
Start	2158	End	3124
GI	none	Score	.66
Exons	2158..2635, 3114..3124		

Seq. No.	17610	Seq. ID	OJ991006_03.0125.C17
Gene No.	37037	Strand	+
Start	1652	End	1807
Name	OJ991006_03.0125.C17.o2.gs	Method	GENSCAN
Start	1652	End	1807
GI	none	Score	.66
Exons	1652..1807		

Seq. No.	17610	Seq. ID	OJ991006_03.0125.C17
Gene No.	37038	Strand	-
Start	1	End	798
Name	OJ991006_03.0125.C17.o1.np	Method	AAT/NAP
Start	1	End	798
GI	5091512	Score	913
Exons	1..396, 443..579, 621..798		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	17611	Seq. ID	OJ991006_03.0125.C18
Gene No.	37039	Strand	+
Start	77	End	323
Name	OJ991006_03.0125.C18.o1.gp	Method	AAT/GAP
Start	77	End	323
GI	3761181	Score	432
Exons	77..323		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37040	Strand	+
Start	222	End	455
Name	OJ991006_03.0125.C19.o1.gs	Method	GENSCAN
Start	222	End	455
GI	none	Score	.63
Exons	222..455		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37041	Strand	-
Start	723	End	5184
Name	OJ991006_03.0125.C19.o1.np	Method	AAT/NAP
Start	723	End	5184
GI	4680179	Score	5657
Exons	723..5184		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o6.tw	Method	TBLASTX:Wheat
Start	768	End	1101
GI	none	Score	67
Exons	768..1100, 819..935, 820..1101		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o1.tm	Method	TBLASTX:Maize
Start	963	End	1548
GI	none	Score	104
Exons	963..1388, 964..1161, 1216..1389, 1384..1533, 1386..1547, 1393..1548		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o1.tw	Method	TBLASTX:Wheat
Start	1101	End	1727
GI	none	Score	44
Exons	1101..1727, 1102..1161, 1219..1668		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o3.tm	Method	TBLASTX:Maize
Start	1596	End	1887
GI	none	Score	89
Exons	1596..1886, 1599..1754, 1600..1887, 1600..1887		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o2.ts	Method	TBLASTX:Soybean
Start	1686	End	1946
GI	none	Score	187

Exons	1686..1946, 1687..1935		
Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o1.tc	Method	TBLASTX:Cress
Start	1710	End	2036
GI	none	Score	87
Exons	1710..1853, 1711..1851, 1854..2036		
Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o2.tw	Method	TBLASTX:Wheat
Start	1734	End	2273
GI	none	Score	304
Exons	1734..2273, 1738..2091		
Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o2.tm	Method	TBLASTX:Maize
Start	2301	End	2654
GI	none	Score	213
Exons	2301..2654, 2308..2649		
Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o3.tw	Method	TBLASTX:Wheat
Start	2301	End	2726
GI	none	Score	314
Exons	2301..2726, 2308..2724		
Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o3.ts	Method	TBLASTX:Soybean
Start	2472	End	2720
GI	none	Score	208
Exons	2472..2720		
Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o4.tm	Method	TBLASTX:Maize
Start	2691	End	3191
GI	none	Score	100
Exons	2691..2993, 2812..2940, 3054..3191, 3058..3183		
Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o5.tw	Method	TBLASTX:Wheat
Start	2727	End	2990
GI	none	Score	250
Exons	2727..2990, 2728..2988		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o1.ts	Method	TBLASTX:Soybean
Start	2742	End	3137
GI	none	Score	58
Exons	2742..2993, 2745..2894, 2752..2985, 2958..3098, 3048..3101, 3058..3099, 3105..3137, 3105..3137		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o4.tw	Method	TBLASTX:Wheat
Start	3078	End	3562
GI	none	Score	100
Exons	3078..3296, 3121..3276, 3269..3562, 3277..3561		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o5.tm	Method	TBLASTX:Maize
Start	3267	End	3552
GI	none	Score	111
Exons	3267..3494, 3271..3453, 3272..3550, 3277..3552		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o8.tw	Method	TBLASTX:Wheat
Start	3694	End	4048
GI	none	Score	150
Exons	3694..4047, 3731..4048		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o7.tw	Method	TBLASTX:Wheat
Start	4381	End	4731
GI	none	Score	54
Exons	4381..4731, 4515..4610		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o6.tm	Method	TBLASTX:Maize
Start	4426	End	4731
GI	none	Score	246
Exons	4426..4731		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o9.tw	Method	TBLASTX:Wheat
Start	4783	End	4981
GI	none	Score	135
Exons	4783..4980, 4784..4981		

Seq. No.	17612	Seq. ID	OJ991006_03.0125.C19
Gene No.	37042	Strand	-
Start	5413	End	6210
Name	OJ991006_03.0125.C19.o2.np	Method	AAT/NAP
Start	5413	End	6210
GI	4512231	Score	1290
Exons	5413..6210		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	17613	Seq. ID	OJ991006_03.0125.C20
Gene No.	37043	Strand	+
Start	1849	End	2967
Name	OJ991006_03.0125.C20.o1.np	Method	AAT/NAP
Start	1849	End	2967
GI	5852179	Score	221
Exons	1849..2091, 2166..2407, 2905..2967		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	17613	Seq. ID	OJ991006_03.0125.C20
Gene No.	37044	Strand	-
Start	1497	End	2320
Name	OJ991006_03.0125.C20.o1.gs	Method	GENSCAN
Start	1497	End	2320
GI	none	Score	.82
Exons	1497..1578, 1876..2063, 2117..2320		

Seq. No.	17614	Seq. ID	OJ991006_03.0125.C23
Gene No.	37045	Strand	-
Start	1	End	1744
Name	OJ991006_03.0125.C23.o1.np	Method	AAT/NAP
Start	1	End	1744
GI	5091513	Score	1200
Exons	1..518, 1274..1744		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17615	Seq. ID	OJ991006_03.0125.C24
Gene No.	37046	Strand	-
Start	1	End	1676
Name	OJ991006_03.0125.C24.o1.np	Method	AAT/NAP
Start	1	End	1676
GI	5091513	Score	626
Exons	1..448, 1613..1676		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17615	Seq. ID	OJ991006_03.0125.C24
Gene No.	37046	Strand	-
Start	1	End	1676
Name	OJ991006_03.0125.C24.o1.gs	Method	GENSCAN
Start	50	End	1599
GI	none	Score	.72
Exons	50..575, 1392..1599		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o1.gs	Method	GENSCAN

Start	76	End	4851
GI	none	Score	.6
Exons	76..264, 302..433, 1088..2940, 2946..4851		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o1.np	Method	AAT/NAP
Start	1052	End	4915
GI	4680179	Score	5137
Exons	1052..4915		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o6.tw	Method	TBLASTX:Wheat
Start	1097	End	1430
GI	none	Score	143
Exons	1097..1429, 1149..1430		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o1.tm	Method	TBLASTX:Maize
Start	1292	End	1877
GI	none	Score	104
Exons	1292..1717, 1293..1490, 1554..1718, 1713..1862, 1715..1876, 1722..1877		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o1.tw	Method	TBLASTX:Wheat
Start	1430	End	2056
GI	none	Score	44
Exons	1430..2056, 1431..1490, 1551..1997, 2027..2053		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o3.tm	Method	TBLASTX:Maize
Start	1925	End	2217
GI	none	Score	297
Exons	1925..2215, 1929..2216, 1929..2216, 2014..2217		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o2.ts	Method	TBLASTX:Soybean
Start	2015	End	2275
GI	none	Score	180
Exons	2015..2275, 2016..2264		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915

Name	OJ991216_08.0124.C1.o1.tc	Method	TBLASTX:Cress
Start	2039	End	2365
GI	none	Score	82
Exons	2039..2182, 2040..2180, 2183..2365		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o2.tw	Method	TBLASTX:Wheat
Start	2063	End	2602
GI	none	Score	310
Exons	2063..2602, 2067..2420		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o2.tm	Method	TBLASTX:Maize
Start	2630	End	2983
GI	none	Score	213
Exons	2630..2983, 2637..2978		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o3.tw	Method	TBLASTX:Wheat
Start	2630	End	3054
GI	none	Score	283
Exons	2630..2983, 2637..2978, 2797..2979, 2989..3054, 2990..3052		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o5.tm	Method	TBLASTX:Maize
Start	2989	End	3321
GI	none	Score	144
Exons	2989..3321, 2990..3268		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o5.tw	Method	TBLASTX:Wheat
Start	3055	End	3318
GI	none	Score	250
Exons	3055..3318, 3056..3316		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o1.ts	Method	TBLASTX:Soybean
Start	3070	End	3465
GI	none	Score	189
Exons	3070..3321, 3080..3313, 3376..3429, 3386..3427, 3433..3465, 3433..3465		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915

Name	OJ991216_08.0124.C1.o4.tm	Method	TBLASTX:Maize
Start	3376	End	3823
GI	none	Score	117
Exons	3376..3819, 3386..3823		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o4.tw	Method	TBLASTX:Wheat
Start	3406	End	3889
GI	none	Score	218
Exons	3406..3888, 3409..3885, 3449..3889		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o3.ts	Method	TBLASTX:Soybean
Start	3538	End	3852
GI	none	Score	198
Exons	3538..3852		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o6.tm	Method	TBLASTX:Maize
Start	3824	End	4017
GI	none	Score	164
Exons	3824..3979, 3826..4017		

Seq. No.	17616	Seq. ID	OJ991216_08.0124.C1
Gene No.	37047	Strand	-
Start	76	End	4915
Name	OJ991216_08.0124.C1.o7.tw	Method	TBLASTX:Wheat
Start	4021	End	4374
GI	none	Score	256
Exons	4021..4374		

Seq. No.	17617	Seq. ID	OJ991216_08.0124.C2
Gene No.	37048	Strand	-
Start	1	End	1337
Name	OJ991216_08.0124.C2.o1.np	Method	AAT/NAP
Start	1	End	1306
GI	4680179	Score	167
Exons	1..190, 1226..1306		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17617	Seq. ID	OJ991216_08.0124.C2
Gene No.	37048	Strand	-
Start	1	End	1337
Name	OJ991216_08.0124.C2.o1.gs	Method	GENSCAN
Start	75	End	1337
GI	none	Score	.68
Exons	75..275, 618..1337		

Seq. No.	17617	Seq. ID	OJ991216_08.0124.C2
Gene No.	37048	Strand	-
Start	1	End	1337

Name	OJ991216_08.0124.C2.o2.np	Method	AAT/NAP
Start	546	End	1337
GI	4512231	Score	1251
Exons	546..1337		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	17618	Seq. ID	OJ991216_08.0124.C3
Gene No.	37049	Strand	+
Start	218	End	313
Name	OJ991216_08.0124.C3.o1.gs	Method	GENSCAN
Start	218	End	313
GI	none	Score	.92
Exons	218..313		

Seq. No.	17619	Seq. ID	OJ991216_08.0124.C5
Gene No.	37050	Strand	-
Start	296	End	933
Name	OJ991216_08.0124.C5.o1.tm	Method	TBLASTX:Maize
Start	289	End	549
GI	none	Score	66
Exons	289..360, 289..357, 297..362, 297..359, 299..373, 452..526, 453..527, 454..543, 454..549, 455..547		

Seq. No.	17619	Seq. ID	OJ991216_08.0124.C5
Gene No.	37050	Strand	-
Start	296	End	933
Name	OJ991216_08.0124.C5.o1.np	Method	AAT/NAP
Start	296	End	933
GI	4151319	Score	164
Exons	296..359, 450..528, 874..933		
GI Descrip.	(AF089084) putative auxin efflux carrier protein; AtPIN1 [Arabidopsis thaliana]		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o1.np	Method	AAT/NAP
Start	442	End	3235
GI	3785972	Score	1399
Exons	442..768, 906..991, 1665..1823, 1851..1939, 2102..3235		
GI Descrip.	(AC005560) putative auxin transport protein [Arabidopsis thaliana]		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o1.tc	Method	TBLASTX:Cress
Start	602	End	3241
GI	none	Score	113
Exons	602..769, 618..770, 904..993, 905..994, 1655..1783, 1668..1784, 2226..2285, 2345..2383, 2348..2437, 2465..2572, 2478..2573, 2621..2659, 2660..2884, 2669..2935, 2670..2933, 2960..3241, 2988..3236		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241

Name	OJ991216_08.0124.C6.o4.ts	Method	TBLASTX:Soybean
Start	602	End	993
GI	none	Score	173
Exons	602..769, 615..770, 904..993, 905..988		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o3.tm	Method	TBLASTX:Maize
Start	602	End	1753
GI	none	Score	191
Exons	602..769, 615..770, 899..991, 904..993, 905..991, 1655..1753, 1662..1748		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o1.gs	Method	GENSCAN
Start	611	End	3235
GI	none	Score	.93
Exons	611..768, 906..991, 1665..2013, 2116..3235		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o5.ts	Method	TBLASTX:Soybean
Start	1655	End	2273
GI	none	Score	116
Exons	1655..1783, 1656..1784, 2226..2273		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o4.tm	Method	TBLASTX:Maize
Start	2226	End	2573
GI	none	Score	75
Exons	2226..2282, 2272..2292, 2306..2428, 2342..2404, 2342..2428, 2352..2420, 2465..2572, 2466..2573		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o3.ts	Method	TBLASTX:Soybean
Start	2330	End	2573
GI	none	Score	58
Exons	2330..2437, 2346..2423, 2348..2428, 2465..2572, 2478..2573, 2489..2569		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o1.ts	Method	TBLASTX:Soybean
Start	2621	End	2929
GI	none	Score	255
Exons	2621..2659, 2669..2929, 2670..2924		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6

Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o2.tm	Method	TBLASTX:Maize
Start	2645	End	2885
GI	none	Score	225
Exons	2645..2884, 2646..2885, 2778..2885		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o1.tm	Method	TBLASTX:Maize
Start	2886	End	3236
GI	none	Score	53
Exons	2886..2933, 2888..2935, 2951..3235, 2970..3236		

Seq. No.	17620	Seq. ID	OJ991216_08.0124.C6
Gene No.	37051	Strand	-
Start	442	End	3241
Name	OJ991216_08.0124.C6.o2.ts	Method	TBLASTX:Soybean
Start	2951	End	3241
GI	none	Score	205
Exons	2951..3241, 3000..3236		

Seq. No.	17621	Seq. ID	OJ991216_08.0124.C7
Gene No.	37052	Strand	+
Start	1594	End	2850
Name	OJ991216_08.0124.C7.o1.gs	Method	GENSCAN
Start	1594	End	2850
GI	none	Score	.85
Exons	1594..1719, 2110..2292, 2386..2479, 2732..2850		

Seq. No.	17621	Seq. ID	OJ991216_08.0124.C7
Gene No.	37053	Strand	+
Start	4293	End	4400
Name	OJ991216_08.0124.C7.o1.gp	Method	AAT/GAP
Start	4293	End	4400
GI	uC-osf1cyp088b12b1	Score	150
Exons	4293..4400		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	17621	Seq. ID	OJ991216_08.0124.C7
Gene No.	37054	Strand	-
Start	1474	End	5174
Name	OJ991216_08.0124.C7.o1.np	Method	AAT/NAP
Start	1474	End	5174
GI	5295955	Score	289
Exons	1474..2032, 2234..2303, 2398..2676, 2749..2861, 3604..3727, 5148..5174		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	17621	Seq. ID	OJ991216_08.0124.C7
Gene No.	37054	Strand	-
Start	1474	End	5174
Name	OJ991216_08.0124.C7.o2.gs	Method	GENSCAN
Start	4583	End	4933

GI	none	Score	.79
Exons	4583..4662, 4876..4933		
Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37055	Strand	+
Start	1930	End	3119
Name	OJ991216_08.0124.C8.o1.gs	Method	GENSCAN
Start	1930	End	3119
GI	none	Score	.55
Exons	1930..2003, 2138..2320, 2409..2511, 2762..2858, 3007..3119		
Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37056	Strand	+
Start	12006	End	15108
Name	OJ991216_08.0124.C8.o3.gs	Method	GENSCAN
Start	12006	End	15108
GI	none	Score	.66
Exons	12006..12476, 12594..12802, 12908..12959, 14509..15108		
Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37056	Strand	+
Start	12006	End	15108
Name	OJ991216_08.0124.C8.o3.gp	Method	AAT/GAP
Start	12168	End	12631
GI	2427955	Score	649
Exons	12168..12476, 12576..12631		
Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37057	Strand	+
Start	21265	End	21769
Name	OJ991216_08.0124.C8.o5.gp	Method	AAT/GAP
Start	21265	End	21769
GI	27498_1.R1084	Score	982
Exons	21265..21769		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 8.0e-62 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37058	Strand	-
Start	1850	End	2185
Name	OJ991216_08.0124.C8.o1.gp	Method	AAT/GAP
Start	1850	End	2185
GI	none	Score	651
Exons	1850..2185		
Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37059	Strand	-
Start	7365	End	7740
Name	OJ991216_08.0124.C8.o2.gp	Method	AAT/GAP
Start	7365	End	7740
GI	3760474	Score	149
Exons	7365..7386, 7639..7740		
Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37060	Strand	-
Start	13842	End	14036
Name	OJ991216_08.0124.C8.o4.gp	Method	AAT/GAP

Start	13842	End	14036
GI	uC-osroM202025d08a1	Score	254
Exons	13842..14036		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37061	Strand	-
Start	14707	End	19514
Name	OJ991216_08.0124.C8.o1.np	Method	AAT/NAP
Start	14707	End	19514
GI	3445397	Score	2013
Exons	14707..14780, 15672..17908, 19361..19514		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o2.ts	Method	TBLASTX:Soybean
Start	12437	End	13432
GI	none	Score	60
Exons	12437..12475, 12438..12476, 12561..12803, 12575..12670, 12716..12841, 13322..13432, 13336..13422		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o3.tm	Method	TBLASTX:Maize
Start	12606	End	13398
GI	none	Score	47
Exons	12606..12635, 12629..12838, 12630..12803, 13322..13396, 13327..13398		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o1.tc	Method	TBLASTX:Cress
Start	15714	End	17897
GI	none	Score	96
Exons	15714..15878, 15725..15835, 15748..15957, 15751..15870, 15997..16524, 15998..16525, 16504..16635, 16532..16627, 16881..16943, 17043..17273, 17367..17462, 17469..17543, 17577..17621, 17709..17897		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o1.tm	Method	TBLASTX:Maize
Start	15721	End	16318
GI	none	Score	73
Exons	15721..15966, 15749..15838, 15955..16317, 15965..16318		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o3.ts	Method	TBLASTX:Soybean
Start	15748	End	16179

GI	none	Score	94
Exons	15748..15882, 15991..16131, 15992..16126, 16147..16179		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o1.tw	Method	TBLASTX:Wheat
Start	16054	End	16468
GI	none	Score	102
Exons	16054..16116, 16117..16323, 16151..16312, 16315..16467, 16334..16468		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o1.ts	Method	TBLASTX:Soybean
Start	16186	End	16738
GI	none	Score	146
Exons	16186..16317, 16187..16312, 16336..16671, 16349..16738		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o2.tm	Method	TBLASTX:Maize
Start	16330	End	16632
GI	none	Score	158
Exons	16330..16524, 16331..16525, 16510..16632, 16511..16630		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o2.tw	Method	TBLASTX:Wheat
Start	16839	End	17225
GI	none	Score	170
Exons	16839..16874, 16875..17225, 16875..16955		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o4.ts	Method	TBLASTX:Soybean
Start	16959	End	17354
GI	none	Score	45
Exons	16959..17228, 17023..17058, 17101..17193, 17226..17354		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o5.ts	Method	TBLASTX:Soybean
Start	17487	End	17894
GI	none	Score	94
Exons	17487..17630, 17497..17625, 17670..17789, 17799..17879, 17800..17862, 17856..17894		

Seq. No.	17622	Seq. ID	OJ991216_08.0124.C8
Gene No.	37062	Strand	-
Start	23719	End	24030
Name	OJ991216_08.0124.C8.o5.gs	Method	GENSCAN

Start	23719	End	24030
GI	none	Score	.76
Exons	23719..24030		

Seq. No.	17623	Seq. ID	OJ991216_08.0124.C9
Gene No.	37063	Strand	+
Start	1310	End	4933
Name	OJ991216_08.0124.C9.o1.gs	Method	GENSCAN
Start	1310	End	4894
GI	none	Score	.64
Exons	1310..1435, 3838..3941, 4024..4894		

Seq. No.	17623	Seq. ID	OJ991216_08.0124.C9
Gene No.	37063	Strand	+
Start	1310	End	4933
Name	OJ991216_08.0124.C9.o1.np	Method	AAT/NAP
Start	2895	End	4891
GI	2618701	Score	382
Exons	2895..2981, 4109..4202, 4313..4494, 4570..4891		
GI Descrip.	(AC002510) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17623	Seq. ID	OJ991216_08.0124.C9
Gene No.	37063	Strand	+
Start	1310	End	4933
Name	OJ991216_08.0124.C9.o2.tm	Method	TBLASTX:Maize
Start	3832	End	4339
GI	none	Score	54
Exons	3832..3864, 3832..3861, 3950..3988, 3955..4014, 3963..4013, 4009..4068, 4011..4070, 4034..4093, 4109..4177, 4144..4176, 4292..4339, 4295..4339		

Seq. No.	17623	Seq. ID	OJ991216_08.0124.C9
Gene No.	37063	Strand	+
Start	1310	End	4933
Name	OJ991216_08.0124.C9.o1.tc	Method	TBLASTX:Cress
Start	4313	End	4723
GI	none	Score	148
Exons	4313..4516, 4576..4650, 4577..4669, 4651..4722, 4655..4723		

Seq. No.	17623	Seq. ID	OJ991216_08.0124.C9
Gene No.	37063	Strand	+
Start	1310	End	4933
Name	OJ991216_08.0124.C9.o1.ts	Method	TBLASTX:Soybean
Start	4439	End	4933
GI	none	Score	76
Exons	4439..4489, 4441..4494, 4583..4735, 4585..4734, 4735..4827, 4736..4828, 4862..4933		

Seq. No.	17623	Seq. ID	OJ991216_08.0124.C9
Gene No.	37063	Strand	+
Start	1310	End	4933
Name	OJ991216_08.0124.C9.o1.tm	Method	TBLASTX:Maize
Start	4603	End	4896
GI	none	Score	351
Exons	4603..4827, 4604..4828, 4861..4896, 4862..4894		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10

Gene No.	37064	Strand	+
Start	455	End	3550
Name	OJ991216_08.0124.C10.o1.gs	Method	GENSCAN
Start	455	End	3550
GI	none	Score	.59
Exons	455..460, 748..1079, 1544..1597, 2384..2622, 2763..2782, 2927..3064, 3410..3550		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37065	Strand	+
Start	3559	End	8955
Name	OJ991216_08.0124.C10.o1.np	Method	AAT/NAP
Start	3559	End	6668
GI	5777624	Score	303
Exons	3559..3624, 4428..4706, 6593..6668		
GI Descrip.	(AJ245900) CAA303712.1 protein [Oryza sativa]		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37065	Strand	+
Start	3559	End	8955
Name	OJ991216_08.0124.C10.o2.np	Method	AAT/NAP
Start	3633	End	8955
GI	6063554	Score	176
Exons	3633..3766, 7385..7627, 8780..8955		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37065	Strand	+
Start	3559	End	8955
Name	OJ991216_08.0124.C10.o2.gs	Method	GENSCAN
Start	4470	End	4802
GI	none	Score	.54
Exons	4470..4802		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37065	Strand	+
Start	3559	End	8955
Name	OJ991216_08.0124.C10.o3.gs	Method	GENSCAN
Start	5669	End	6656
GI	none	Score	.56
Exons	5669..5807, 5841..5924, 5991..6179, 6484..6656		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37066	Strand	+
Start	12855	End	13348
Name	OJ991216_08.0124.C10.o2.gp	Method	AAT/GAP
Start	12789	End	13348
GI	none	Score	802
Exons	12789..12995, 13114..13348		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37066	Strand	+
Start	12855	End	13348
Name	OJ991216_08.0124.C10.o5.gs	Method	GENSCAN
Start	12855	End	13085

GI	none	Score	.97
Exons	12855..12995, 13062..13085		
Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37067	Strand	+
Start	29304	End	36183
Name	OJ991216_08.0124.C10.o8.gs	Method	GENSCAN
Start	29304	End	34592
GI	none	Score	.57
Exons	29304..29404, 31119..31190, 31505..31649, 31829..31960, 33261..33327, 33440..33522, 34070..34195, 34569..34592		
Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37067	Strand	+
Start	29304	End	36183
Name	OJ991216_08.0124.C10.o4.gp	Method	AAT/GAP
Start	31836	End	34113
GI	702375	Score	678
Exons	31836..31960, 33207..33327, 33440..33522, 34070..34113		
Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37067	Strand	+
Start	29304	End	36183
Name	OJ991216_08.0124.C10.o5.gp	Method	AAT/GAP
Start	34480	End	36183
GI	none	Score	705
Exons	34480..34568, 35188..35301, 35393..35432, 36024..36183		
Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37068	Strand	+
Start	40643	End	41486
Name	OJ991216_08.0124.C10.o11.gs	Method	GENSCAN
Start	40643	End	41486
GI	none	Score	.41
Exons	40643..40645, 40651..40781, 41113..41168, 41464..41486		
Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37069	Strand	-
Start	5198	End	5416
Name	OJ991216_08.0124.C10.o1.gp	Method	AAT/GAP
Start	5198	End	5416
GI	3766626	Score	245
Exons	5198..5416		
GI Descrip.	5257255/dbj\|AP000364.1\|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		
Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37070	Strand	-
Start	15143	End	25348
Name	OJ991216_08.0124.C10.o6.gs	Method	GENSCAN
Start	15143	End	23605
GI	none	Score	.41
Exons	15143..15304, 15940..16030, 18033..18170, 18610..18711, 19134..19203, 19683..19759, 21003..21534, 21653..21653, 22328..22462, 23032..23104, 23253..23605		
Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10

Gene No.	37070	Strand	-
Start	15143	End	25348
Name	OJ991216_08.0124.C10.o3.np	Method	AAT/NAP
Start	15146	End	21250
GI	6957704	Score	862
Exons	15146..15304, 15940..16030, 16855..16995, 17076..17141, 18033..18170, 18610..18711, 18819..18893, 18973..19053, 21003..21250		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37070	Strand	-
Start	15143	End	25348
Name	OJ991216_08.0124.C10.o3.gp	Method	AAT/GAP
Start	22842	End	23258
GI	none	Score	772
Exons	22842..23258		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37070	Strand	-
Start	15143	End	25348
Name	OJ991216_08.0124.C10.o4.np	Method	AAT/NAP
Start	23323	End	25345
GI	4874284	Score	674
Exons	23323..23636, 24397..25345		
GI Descrip.	(AC007212) putative AAA-type ATPase [Arabidopsis thaliana]		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37070	Strand	-
Start	15143	End	25348
Name	OJ991216_08.0124.C10.o7.gs	Method	GENSCAN
Start	24497	End	25348
GI	none	Score	.99
Exons	24497..25348		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37071	Strand	-
Start	36878	End	37518
Name	OJ991216_08.0124.C10.o9.gs	Method	GENSCAN
Start	36878	End	37518
GI	none	Score	.94
Exons	36878..37298, 37463..37518		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37072	Strand	-
Start	37722	End	46879
Name	OJ991216_08.0124.C10.o6.gp	Method	AAT/GAP
Start	37722	End	38055
GI	3759129	Score	596
Exons	37722..38055		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37072	Strand	-
Start	37722	End	46879
Name	OJ991216_08.0124.C10.o5.np	Method	AAT/NAP
Start	37868	End	46879
GI	902584	Score	1178

Exons	37868..38386, 41053..41139, 41588..41665, 42014..42457, 46424..46879		
GI Descrip.	(U29159) polyubiquitin containing 7 ubiquitin monomers [Zea mays]		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37072	Strand	-
Start	37722	End	46879
Name	OJ991216_08.0124.C10.o12.gs	Method	GENSCAN
Start	41999	End	42846
GI	none	Score	.44
Exons	41999..42451, 42472..42846		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37072	Strand	-
Start	37722	End	46879
Name	OJ991216_08.0124.C10.o13.gs	Method	GENSCAN
Start	44266	End	45672
GI	none	Score	.63
Exons	44266..44427, 44672..44695, 45037..45334, 45390..45478, 45511..45672		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37072	Strand	-
Start	37722	End	46879
Name	OJ991216_08.0124.C10.o14.gs	Method	GENSCAN
Start	46415	End	46879
GI	none	Score	1
Exons	46415..46879		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37073	Strand	-
Start	47920	End	52126
Name	OJ991216_08.0124.C10.o15.gs	Method	GENSCAN
Start	47920	End	51709
GI	none	Score	.54
Exons	47920..48002, 48086..48127, 48534..48570, 48906..49192, 49439..49493, 49975..50054, 50146..50256, 50444..50481, 50656..50780, 51182..51709		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37073	Strand	-
Start	47920	End	52126
Name	OJ991216_08.0124.C10.o6.np	Method	AAT/NAP
Start	47935	End	52126
GI	3738315	Score	439
Exons	47935..48002, 48534..48570, 49975..50054, 50146..50256, 50444..50481, 50656..50780, 51182..51357, 52034..52126		
GI Descrip.	(AC005170) unknown protein [Arabidopsis thaliana]		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o8.tm	Method	TBLASTX:Maize
Start	15125	End	16033
GI	none	Score	215
Exons	15125..15319, 15146..15316, 15926..16033, 15938..16033		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o7.tm	Method	TBLASTX:Maize
Start	16845	End	18083
GI	none	Score	88
Exons	16845..17000, 16852..17007, 16855..16998, 16857..17021, 17076..17123, 17077..17142, 17078..17146, 17081..17158, 18033..18083		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o4.tc	Method	TBLASTX:Cress
Start	18000	End	18887
GI	none	Score	105
Exons	18000..18143, 18032..18157, 18146..18172, 18149..18184, 18609..18710, 18609..18713, 18613..18714, 18818..18886, 18819..18887		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o3.tm	Method	TBLASTX:Maize
Start	18086	End	21241
GI	none	Score	117
Exons	18086..18169, 18088..18171, 18089..18172, 18609..18713, 18610..18726, 18613..18714, 18818..18892, 18819..18893, 18820..18894, 18820..18900, 18972..19058, 18973..19059, 19093..19206, 19125..19205, 19133..19255, 19684..19761, 19684..19758, 19703..19768, 21002..21088, 21003..21089, 21123..21149, 21221..21241		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o4.ts	Method	TBLASTX:Soybean
Start	18678	End	21091
GI	none	Score	47
Exons	18678..18713, 18679..18738, 18818..18892, 18819..18890, 18970..19059, 18972..19058, 19133..19204, 19684..19758, 19685..19756, 21002..21091		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o3.ts	Method	TBLASTX:Soybean
Start	23420	End	25075
GI	none	Score	122
Exons	23420..23632, 23475..23633, 24411..24506, 24442..24507, 24506..24778, 24570..24815, 24791..24907, 24971..25075		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o3.tc	Method	TBLASTX:Cress

Start	23426	End	23629
GI	none	Score	131
Exons	23426..23629, 23433..23627		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o3.tw	Method	TBLASTX:Wheat
Start	23429	End	23640
GI	none	Score	277
Exons	23429..23632, 23433..23630, 23519..23632, 23581..23640		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o4.tm	Method	TBLASTX:Maize
Start	23513	End	24775
GI	none	Score	80
Exons	23513..23635, 23519..23632, 24423..24506, 24444..24506, 24506..24775, 24570..24767		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o7.ts	Method	TBLASTX:Soybean
Start	34109	End	36089
GI	none	Score	73
Exons	34109..34192, 34310..34390, 34327..34374, 34456..34569, 34494..34571, 35185..35301, 35186..35263, 35384..35434, 36021..36089		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o9.tm	Method	TBLASTX:Maize
Start	34109	End	36209
GI	none	Score	65
Exons	34109..34192, 34319..34390, 34330..34389, 34477..34569, 34494..34562, 35185..35301, 35186..35263, 35399..35434, 36020..36175, 36021..36209		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o1.tc	Method	TBLASTX:Cress
Start	37877	End	46897
GI	none	Score	47
Exons	37877..37975, 37880..37975, 37988..38059, 38088..38216, 38103..38243, 38140..38217, 38217..38252, 38254..38334, 38255..38326, 42044..42148, 42122..42235, 42122..42244, 42159..42233, 42228..42461, 42230..42463, 42239..42472, 42276..42458, 46424..46651, 46433..46897, 46434..46550, 46638..46880, 46698..46880		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007

Name	OJ991216_08.0124.C10.o1.ts	Method	TBLASTX:Soybean
Start	37877	End	46886
GI	none	Score	66
Exons	37877..37975, 37877..37975, 37878..37973, 37988..38059, 37989..38042, 38083..38253, 38088..38216, 38091..38243, 38217..38252, 38254..38388, 38255..38389, 42044..42148, 42045..42095, 42122..42235, 42122..42220, 42159..42233, 42228..42467, 42228..42458, 42230..42472, 42230..42457, 46409..46879, 46424..46675, 46425..46550, 46638..46880, 46653..46880, 46803..46886		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o1.tw	Method	TBLASTX:Wheat
Start	37877	End	46897
GI	none	Score	65
Exons	37877..37975, 37880..37975, 37881..37973, 37988..38059, 37989..38081, 38083..38253, 38088..38216, 38094..38243, 38217..38252, 38258..38356, 38258..38359, 42044..42112, 42044..42148, 42122..42235, 42122..42220, 42159..42248, 42225..42296, 42230..42472, 42230..42463, 42231..42458, 42249..42464, 42417..42479, 46424..46897, 46425..46550, 46638..46880, 46653..46880, 46820..46882		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o1.tm	Method	TBLASTX:Maize
Start	37877	End	46882
GI	none	Score	80
Exons	37877..37975, 37877..37975, 37878..37973, 37988..38059, 38083..38253, 38088..38216, 38094..38243, 38217..38252, 38254..38337, 38258..38332, 38258..38362, 42044..42112, 42044..42148, 42122..42235, 42122..42220, 42159..42248, 42230..42472, 42230..42472, 42231..42458, 42249..42461, 46424..46882, 46425..46550, 46638..46880, 46653..46880, 46820..46882		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o2.tw	Method	TBLASTX:Wheat
Start	45010	End	53347
GI	none	Score	119
Exons	45010..45102, 45085..45108, 52228..52380, 52229..52375, 52500..52634, 52552..52644, 52936..53112, 52939..53115, 53000..53116, 53216..53347, 53216..53347		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o5.tm	Method	TBLASTX:Maize
Start	47922	End	50793
GI	none	Score	126
Exons	47922..48002, 47923..48015, 47927..48016, 48082..48129, 48084..48137, 49960..50055, 49966..50055, 50150..50257,		

50151..50258, 50439..50483, 50649..50783, 50653..50793, 50656..50781

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o6.ts	Method	TBLASTX:Soybean
Start	49983	End	50270
GI	none	Score	42
Exons	49983..50057, 49984..50055, 50153..50257, 50154..50270		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o5.tc	Method	TBLASTX:Cress
Start	50649	End	51214
GI	none	Score	134
Exons	50649..50795, 50656..50781, 51170..51214		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o6.tm	Method	TBLASTX:Maize
Start	52171	End	55965
GI	none	Score	201
Exons	52171..52347, 52178..52336, 54129..54257, 54130..54258, 54136..54258, 54137..54271, 55681..55791, 55682..55792, 55900..55965		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o16.gs	Method	GENSCAN
Start	52174	End	56007
GI	none	Score	.8
Exons	52174..52383, 52497..52631, 52942..53094, 54135..54256, 55680..56007		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o2.ts	Method	TBLASTX:Soybean
Start	52174	End	53266
GI	none	Score	209
Exons	52174..52200, 52196..52399, 52204..52392, 52497..52634, 52510..52632, 52898..53164, 52925..53041, 52927..53115, 53216..53266		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o7.np	Method	AAT/NAP
Start	52177	End	56001
GI	6016708	Score	1331
Exons	52177..52383, 52497..52631, 52942..53116, 53217..53413, 54135..54256, 55680..56001		
GI Descrip.	(AC009325) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o2.tc	Method	TBLASTX:Cress
Start	52195	End	55785
GI	none	Score	181
Exons	52195..52392, 52196..52399, 52497..52634, 52503..52634, 52522..52644, 52543..52644, 52923..53102, 52936..53109, 52939..53115, 52940..53116, 53216..53362, 53217..53363, 54118..54258, 54129..54257, 55681..55785, 55682..55783		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o2.tm	Method	TBLASTX:Maize
Start	52348	End	53418
GI	none	Score	50
Exons	52348..52392, 52349..52399, 52496..52636, 52497..52634, 52497..52637, 52510..52635, 52935..53069, 52938..53117, 52939..53118, 52939..53118, 53189..53416, 53190..53417, 53209..53418		

Seq. No.	17624	Seq. ID	OJ991216_08.0124.C10
Gene No.	37074	Strand	-
Start	52174	End	56007
Name	OJ991216_08.0124.C10.o5.ts	Method	TBLASTX:Soybean
Start	55663	End	55962
GI	5677051	Score	135
Exons	55663..55887, 55676..55783, 55900..55962		
GI Descrip.	2244835/emb_CAB10257_ 4.0e-13 (Z97337) protein kinase homolog [Arabidopsis thaliana]		

Seq. No.	17625	Seq. ID	OJ991216_08.0124.C11
Gene No.	37075	Strand	+
Start	1	End	4059
Name	OJ991216_08.0124.C11.o1.np	Method	AAT/NAP
Start	1	End	3816
GI	3249072	Score	1167
Exons	1..23, 719..782, 880..982, 1804..1901, 1976..2106, 2202..2310, 2804..2995, 3082..3218, 3531..3816		
GI Descrip.	(AC004473) Contains similarity to hypothetical 43.1 KD protein in NDK-GCPE intergenic region gb\|493519 from E. coli sequence gb\|U02965. [Arabidopsis thaliana]		

Seq. No.	17625	Seq. ID	OJ991216_08.0124.C11
Gene No.	37075	Strand	+
Start	1	End	4059
Name	OJ991216_08.0124.C11.o1.gs	Method	GENSCAN
Start	612	End	3807
GI	none	Score	.74
Exons	612..782, 880..982, 1063..1230, 1804..1901, 1976..2106, 2202..2310, 2804..2995, 3082..3218, 3612..3807		

Seq. No.	17625	Seq. ID	OJ991216_08.0124.C11
Gene No.	37075	Strand	+
Start	1	End	4059

Name	OJ991216_08.0124.C11.o1.tm	Method	TBLASTX:Maize
Start	2000	End	4059
GI	none	Score	180
Exons	2000..2107, 2001..2108, 2003..2107, 2188..2310, 2193..2315, 2202..2312, 2782..2997, 2783..3004, 3079..3216, 3081..3218, 3082..3216, 3524..3823, 3526..3828, 3529..3792, 3786..3890, 4006..4059		

Seq. No.	17625	Seq. ID	OJ991216_08.0124.C11
Gene No.	37075	Strand	+
Start	1	End	4059
Name	OJ991216_08.0124.C11.o1.ts	Method	TBLASTX:Soybean
Start	2860	End	3189
GI	none	Score	187
Exons	2860..2982, 2861..2983, 2861..2983, 3050..3187, 3058..3186, 3081..3188, 3082..3189		

Seq. No.	17626	Seq. ID	OJ991216_08.0124.C12
Gene No.	37076	Strand	+
Start	39	End	373
Name	OJ991216_08.0124.C12.o1.np	Method	AAT/NAP
Start	39	End	373
GI	129799	Score	265
Exons	39..373		
GI Descrip.	AMINOACYL-HISTIDINE DIPEPTIDASE (XAA-HIS DIPEPTIDASE) (X-HIS DIPEPTIDASE) (BETA-ALANYL-HISTIDINE DIPEPTIDASE) (CARNOSINASE) (PEPTIDASE D) gi\|78308\|pir\|\|JU0300 X-His dipeptidase (EC 3.4.13.3) precursor - Escherichia coli gi\|147140 (M34034) peptidase D [Escherichia coli] gi\|1552805 (U70214) aminoacylhistidine dipeptidase precursor [Escherichia coli] gi\|1786432 (AE0001		

Seq. No.	17627	Seq. ID	OJ990526_12.0103.C2
Gene No.	37077	Strand	+
Start	129	End	281
Name	OJ990526_12.0103.C2.o1.gs	Method	GENSCAN
Start	129	End	281
GI	none	Score	.99
Exons	129..281		

Seq. No.	17627	Seq. ID	OJ990526_12.0103.C2
Gene No.	37078	Strand	-
Start	2504	End	2662
Name	OJ990526_12.0103.C2.o2.gs	Method	GENSCAN
Start	2504	End	2662
GI	none	Score	.52
Exons	2504..2662		

Seq. No.	17628	Seq. ID	OJ990526_12.0103.C3
Gene No.	37079	Strand	-
Start	1048	End	1148
Name	OJ990526_12.0103.C3.o1.gs	Method	GENSCAN
Start	1048	End	1148
GI	none	Score	.61
Exons	1048..1148		

Seq. No.	17629	Seq. ID	OJ990526_12.0103.C7

Gene No.	37080	Strand	+
Start	656	End	1111
Name	OJ990526_12.0103.C7.o1.np	Method	AAT/NAP
Start	656	End	1111
GI	6721561	Score	119
Exons	656..746, 947..1111		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17629	Seq. ID	OJ990526_12.0103.C7
Gene No.	37081	Strand	-
Start	62	End	889
Name	OJ990526_12.0103.C7.o1.gs	Method	GENSCAN
Start	62	End	889
GI	none	Score	.6
Exons	62..151, 578..703, 770..889		

Seq. No.	17630	Seq. ID	OJ990526_12.0103.C8
Gene No.	37082	Strand	+
Start	424	End	514
Name	OJ990526_12.0103.C8.o1.np	Method	AAT/NAP
Start	424	End	514
GI	6721561	Score	131
Exons	424..514		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17630	Seq. ID	OJ990526_12.0103.C8
Gene No.	37083	Strand	+
Start	424	End	475
Name	OJ990526_12.0103.C8.o1.gs	Method	GENSCAN
Start	424	End	475
GI	none	Score	.41
Exons	424..475		

Seq. No.	17631	Seq. ID	OJ990526_12.0103.C9
Gene No.	37084	Strand	+
Start	76	End	330
Name	OJ990526_12.0103.C9.o1.gs	Method	GENSCAN
Start	76	End	330
GI	none	Score	.74
Exons	76..330		

Seq. No.	17632	Seq. ID	OJ990526_12.0103.C10
Gene No.	37085	Strand	-
Start	320	End	970
Name	OJ990526_12.0103.C10.o1.np	Method	AAT/NAP
Start	320	End	923
GI	6503010	Score	203
Exons	320..724, 836..923		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		

Seq. No.	17632	Seq. ID	OJ990526_12.0103.C10
Gene No.	37085	Strand	-
Start	320	End	970
Name	OJ990526_12.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	519	End	970
GI	none	Score	51
Exons	519..563, 520..558, 560..736, 893..970	561..740,	603..737, 836..916,

Seq. No.	17632	Seq. ID	OJ990526_12.0103.C10
Gene No.	37085	Strand	-
Start	320	End	970
Name	OJ990526_12.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	519	End	725
GI	none	Score	105
Exons	519..578, 560..721, 564..725		

Seq. No.	17632	Seq. ID	OJ990526_12.0103.C10
Gene No.	37085	Strand	-
Start	320	End	970
Name	OJ990526_12.0103.C10.o1.tc	Method	TBLASTX:Cress
Start	523	End	916
GI	none	Score	43
Exons	523..576, 528..578, 560..721,	561..725,	836..916

Seq. No.	17633	Seq. ID	OJ990526_12.0103.C11
Gene No.	37086	Strand	+
Start	232	End	1730
Name	OJ990526_12.0103.C11.o1.gs	Method	GENSCAN
Start	232	End	1730
GI	none	Score	.85
Exons	232..397, 733..812, 856..969,	1047..1730	

Seq. No.	17633	Seq. ID	OJ990526_12.0103.C11
Gene No.	37087	Strand	-
Start	2094	End	2161
Name	OJ990526_12.0103.C11.o2.gs	Method	GENSCAN
Start	2094	End	2161
GI	none	Score	.99
Exons	2094..2161		

Seq. No.	17634	Seq. ID	OJ990526_12.0103.C12
Gene No.	37088	Strand	-
Start	308	End	453
Name	OJ990526_12.0103.C12.o1.gs	Method	GENSCAN
Start	308	End	453
GI	none	Score	.54
Exons	308..453		

Seq. No.	17635	Seq. ID	OJ990526_12.0103.C13
Gene No.	37089	Strand	+
Start	13	End	404
Name	OJ990526_12.0103.C13.o1.gs	Method	GENSCAN
Start	13	End	404
GI	none	Score	.59
Exons	13..60, 186..404		

Seq. No.	17635	Seq. ID	OJ990526_12.0103.C13
Gene No.	37090	Strand	-
Start	957	End	1486
Name	OJ990526_12.0103.C13.o2.np	Method	AAT/NAP
Start	957	End	1486
GI	4539660	Score	259
Exons	957..1236, 1277..1486		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	17635	Seq. ID	OJ990526_12.0103.C13
Gene No.	37090	Strand	-
Start	957	End	1486
Name	OJ990526_12.0103.C13.o1.tw	Method	TBLASTX:Wheat
Start	973	End	1246
GI	none	Score	72
Exons	973..1242, 976..1140, 995..1246		

Seq. No.	17635	Seq. ID	OJ990526_12.0103.C13
Gene No.	37090	Strand	-
Start	957	End	1486
Name	OJ990526_12.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	982	End	1242
GI	none	Score	136
Exons	982..1242, 1001..1234		

Seq. No.	17635	Seq. ID	OJ990526_12.0103.C13
Gene No.	37090	Strand	-
Start	957	End	1486
Name	OJ990526_12.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	1271	End	1453
GI	none	Score	113
Exons	1271..1453, 1281..1451, 1286..1453		

Seq. No.	17636	Seq. ID	OJ990526_12.0103.C14
Gene No.	37091	Strand	-
Start	497	End	1177
Name	OJ990526_12.0103.C14.o1.np	Method	AAT/NAP
Start	497	End	1177
GI	4539660	Score	210
Exons	497..787, 1024..1177		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	17636	Seq. ID	OJ990526_12.0103.C14
Gene No.	37091	Strand	-
Start	497	End	1177
Name	OJ990526_12.0103.C14.o1.tw	Method	TBLASTX:Wheat
Start	513	End	785
GI	none	Score	55
Exons	513..665, 535..666, 716..781, 726..785		

Seq. No.	17636	Seq. ID	OJ990526_12.0103.C14
Gene No.	37091	Strand	-
Start	497	End	1177
Name	OJ990526_12.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	522	End	781
GI	none	Score	56

Exons	522..671, 541..672, 671..781, 675..773		
Seq. No.	17636	Seq. ID	OJ990526_12.0103.C14
Gene No.	37091	Strand	-
Start	497	End	1177
Name	OJ990526_12.0103.C14.o1.gs	Method	GENSCAN
Start	981	End	1104
GI	none	Score	.49
Exons	981..1104		
Seq. No.	17637	Seq. ID	OJ990526_12.0103.C15
Gene No.	37092	Strand	+
Start	405	End	458
Name	OJ990526_12.0103.C15.o1.gs	Method	GENSCAN
Start	405	End	458
GI	none	Score	.96
Exons	405..458		
Seq. No.	17638	Seq. ID	OJ990526_12.0103.C20
Gene No.	37093	Strand	-
Start	1	End	559
Name	OJ990526_12.0103.C20.o1.np	Method	AAT/NAP
Start	1	End	559
GI	4038056	Score	283
Exons	1..559		
GI Descrip.	(AC005897) putative TNP2-like transposon protein [Arabidopsis thaliana]		
Seq. No.	17638	Seq. ID	OJ990526_12.0103.C20
Gene No.	37093	Strand	-
Start	1	End	559
Name	OJ990526_12.0103.C20.o1.tc	Method	TBLASTX:Cress
Start	91	End	330
GI	none	Score	126
Exons	91..330, 104..325		
Seq. No.	17638	Seq. ID	OJ990526_12.0103.C20
Gene No.	37093	Strand	-
Start	1	End	559
Name	OJ990526_12.0103.C20.o1.tw	Method	TBLASTX:Wheat
Start	91	End	519
GI	none	Score	134
Exons	91..330, 104..343, 321..518, 336..494, 343..519		
Seq. No.	17638	Seq. ID	OJ990526_12.0103.C20
Gene No.	37093	Strand	-
Start	1	End	559
Name	OJ990526_12.0103.C20.o1.gs	Method	GENSCAN
Start	131	End	303
GI	none	Score	.66
Exons	131..303		
Seq. No.	17638	Seq. ID	OJ990526_12.0103.C20
Gene No.	37093	Strand	-
Start	1	End	559
Name	OJ990526_12.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	280	End	507

GI	none	Score	86
Exons	280..324, 315..506, 322..507		

Seq. No.	17639	Seq. ID	OJ990526_12.0103.C23
Gene No.	37094	Strand	+
Start	172	End	573
Name	OJ990526_12.0103.C23.o1.gs	Method	GENSCAN
Start	172	End	573
GI	none	Score	.54
Exons	172..573		

Seq. No.	17640	Seq. ID	OJ990526_12.0103.C25
Gene No.	37095	Strand	+
Start	1	End	819
Name	OJ990526_12.0103.C25.o1.np	Method	AAT/NAP
Start	1	End	819
GI	6016874	Score	279
Exons	1..346, 641..819		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	17641	Seq. ID	OJ990526_12.0103.C26
Gene No.	37096	Strand	+
Start	222	End	413
Name	OJ990526_12.0103.C26.o1.gs	Method	GENSCAN
Start	222	End	413
GI	none	Score	.55
Exons	222..413		

Seq. No.	17642	Seq. ID	OJ990526_12.0103.C27
Gene No.	37097	Strand	+
Start	282	End	329
Name	OJ990526_12.0103.C27.o1.gs	Method	GENSCAN
Start	282	End	329
GI	none	Score	.83
Exons	282..329		

Seq. No.	17643	Seq. ID	OJ990526_12.0103.C28
Gene No.	37098	Strand	-
Start	1	End	1014
Name	OJ990526_12.0103.C28.o1.np	Method	AAT/NAP
Start	1	End	387
GI	3176723	Score	101
Exons	1..387		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	17643	Seq. ID	OJ990526_12.0103.C28
Gene No.	37098	Strand	-
Start	1	End	1014
Name	OJ990526_12.0103.C28.o1.gs	Method	GENSCAN
Start	78	End	1014
GI	none	Score	.68
Exons	78..318, 993..1014		

Seq. No.	17644	Seq. ID	OJ990526_12.0103.C34

Gene No.	37099	Strand	+
Start	93	End	623
Name	OJ990526_12.0103.C34.o1.gs	Method	GENSCAN
Start	93	End	623
GI	none	Score	.82
Exons	93..623		

Seq. No.	17645	Seq. ID	OJ990526_12.0103.C35
Gene No.	37100	Strand	+
Start	112	End	267
Name	OJ990526_12.0103.C35.o1.gs	Method	GENSCAN
Start	112	End	267
GI	none	Score	.58
Exons	112..267		

Seq. No.	17646	Seq. ID	OJ990526_12.0103.C41
Gene No.	37101	Strand	+
Start	1	End	581
Name	OJ990526_12.0103.C41.o1.np	Method	AAT/NAP
Start	1	End	581
GI	2129635	Score	88
Exons	1..50, 186..334, 552..581		
GI Descrip.	light repressible receptor protein kinase - Arabidopsis thaliana gi\|1321686\|emb\|CAA66376\| (X97774) light repressible receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	17646	Seq. ID	OJ990526_12.0103.C41
Gene No.	37101	Strand	+
Start	1	End	581
Name	OJ990526_12.0103.C41.o1.tm	Method	TBLASTX:Maize
Start	185	End	317
GI	none	Score	199
Exons	185..316, 186..317		

Seq. No.	17647	Seq. ID	OJ990526_12.0103.C42
Gene No.	37102	Strand	-
Start	1	End	320
Name	OJ990526_12.0103.C42.o1.np	Method	AAT/NAP
Start	1	End	320
GI	5902448	Score	380
Exons	1..320		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	17647	Seq. ID	OJ990526_12.0103.C42
Gene No.	37102	Strand	-
Start	1	End	320
Name	OJ990526_12.0103.C42.o1.gs	Method	GENSCAN
Start	205	End	320
GI	none	Score	.76
Exons	205..320		

Seq. No.	17648	Seq. ID	OJ990526_12.0103.C45
Gene No.	37103	Strand	+
Start	1	End	1271
Name	OJ990526_12.0103.C45.o1.np	Method	AAT/NAP
Start	1	End	1271
GI	6630696	Score	1946

Exons	1..1271		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	17648	Seq. ID	OJ990526_12.0103.C45
Gene No.	37103	Strand	+
Start	1	End	1271
Name	OJ990526_12.0103.C45.o3.ts	Method	TBLASTX:Soybean
Start	45	End	284
GI	none	Score	205
Exons	45..284, 59..223		
Seq. No.	17648	Seq. ID	OJ990526_12.0103.C45
Gene No.	37103	Strand	+
Start	1	End	1271
Name	OJ990526_12.0103.C45.o1.gs	Method	GENSCAN
Start	60	End	1051
GI	none	Score	.64
Exons	60..127, 349..1051		
Seq. No.	17648	Seq. ID	OJ990526_12.0103.C45
Gene No.	37103	Strand	+
Start	1	End	1271
Name	OJ990526_12.0103.C45.o2.tw	Method	TBLASTX:Wheat
Start	60	End	448
GI	none	Score	186
Exons	60..248, 243..293, 308..448		
Seq. No.	17648	Seq. ID	OJ990526_12.0103.C45
Gene No.	37103	Strand	+
Start	1	End	1271
Name	OJ990526_12.0103.C45.o2.tm	Method	TBLASTX:Maize
Start	60	End	412
GI	none	Score	180
Exons	60..278, 155..253, 296..412		
Seq. No.	17648	Seq. ID	OJ990526_12.0103.C45
Gene No.	37103	Strand	+
Start	1	End	1271
Name	OJ990526_12.0103.C45.o1.ts	Method	TBLASTX:Soybean
Start	301	End	649
GI	none	Score	148
Exons	301..348, 302..460, 460..648, 461..649		
Seq. No.	17648	Seq. ID	OJ990526_12.0103.C45
Gene No.	37103	Strand	+
Start	1	End	1271
Name	OJ990526_12.0103.C45.o1.tm	Method	TBLASTX:Maize
Start	428	End	799
GI	none	Score	345
Exons	428..799, 451..798		
Seq. No.	17648	Seq. ID	OJ990526_12.0103.C45
Gene No.	37103	Strand	+
Start	1	End	1271
Name	OJ990526_12.0103.C45.o1.tw	Method	TBLASTX:Wheat

Start	656	End	1135
GI	none	Score	105
Exons	656..730, 657..716, 661..729, 739..1026, 745..1032, 746..1042, 998..1135, 1011..1133, 1028..1135		

Seq. No.	17648	Seq. ID	OJ990526_12.0103.C45
Gene No.	37103	Strand	+
Start	1	End	1271
Name	OJ990526_12.0103.C45.o2.ts	Method	TBLASTX:Soybean
Start	662	End	1003
GI	none	Score	97
Exons	662..775, 697..765, 794..1003, 799..924		

Seq. No.	17649	Seq. ID	OJ990526_12.0103.C48
Gene No.	37104	Strand	+
Start	266	End	964
Name	OJ990526_12.0103.C48.o1.gs	Method	GENSCAN
Start	266	End	964
GI	none	Score	.47
Exons	266..379, 472..563, 607..964		

Seq. No.	17650	Seq. ID	OJ990526_12.0103.C49
Gene No.	37105	Strand	-
Start	412	End	501
Name	OJ990526_12.0103.C49.o1.gs	Method	GENSCAN
Start	412	End	501
GI	none	Score	.6
Exons	412..501		

Seq. No.	17651	Seq. ID	OJ990526_12.0103.C51
Gene No.	37106	Strand	-
Start	60	End	745
Name	OJ990526_12.0103.C51.o1.np	Method	AAT/NAP
Start	60	End	519
GI	4539660	Score	227
Exons	60..338, 379..519		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	17651	Seq. ID	OJ990526_12.0103.C51
Gene No.	37106	Strand	-
Start	60	End	745
Name	OJ990526_12.0103.C51.o2.np	Method	AAT/NAP
Start	74	End	745
GI	629693	Score	134
Exons	74..112, 315..745		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	17651	Seq. ID	OJ990526_12.0103.C51
Gene No.	37106	Strand	-
Start	60	End	745
Name	OJ990526_12.0103.C51.o1.tw	Method	TBLASTX:Wheat
Start	78	End	348
GI	none	Score	72
Exons	78..242, 97..348, 108..344		

Seq. No.	17651	Seq. ID	OJ990526_12.0103.C51

Gene No.	37106	Strand	-
Start	60	End	745
Name	OJ990526_12.0103.C51.o1.tm	Method	TBLASTX:Maize
Start	103	End	344
GI	none	Score	136
Exons	103..336, 108..344		

Seq. No.	17651	Seq. ID	OJ990526_12.0103.C51
Gene No.	37106	Strand	-
Start	60	End	745
Name	OJ990526_12.0103.C51.o1.gs	Method	GENSCAN
Start	352	End	630
GI	none	Score	.85
Exons	352..630		

Seq. No.	17651	Seq. ID	OJ990526_12.0103.C51
Gene No.	37106	Strand	-
Start	60	End	745
Name	OJ990526_12.0103.C51.o2.tw	Method	TBLASTX:Wheat
Start	364	End	738
GI	none	Score	74
Exons	364..738, 365..508		

Seq. No.	17651	Seq. ID	OJ990526_12.0103.C51
Gene No.	37106	Strand	-
Start	60	End	745
Name	OJ990526_12.0103.C51.o1.ts	Method	TBLASTX:Soybean
Start	373	End	555
GI	none	Score	107
Exons	373..555, 383..553		

Seq. No.	17652	Seq. ID	OJ990526_12.0103.C52
Gene No.	37107	Strand	+
Start	3324	End	4387
Name	OJ990526_12.0103.C52.o2.np	Method	AAT/NAP
Start	3324	End	4387
GI	4680203	Score	820
Exons	3324..3588, 3644..4387		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17652	Seq. ID	OJ990526_12.0103.C52
Gene No.	37108	Strand	-
Start	1	End	4387
Name	OJ990526_12.0103.C52.o1.np	Method	AAT/NAP
Start	1	End	4387
GI	5852175	Score	116
Exons	1..80, 362..394, 1027..1138, 4311..4387		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	17652	Seq. ID	OJ990526_12.0103.C52
Gene No.	37108	Strand	-
Start	1	End	4387
Name	OJ990526_12.0103.C52.o1.gs	Method	GENSCAN
Start	1586	End	2638
GI	none	Score	.6
Exons	1586..1717, 2156..2243, 2346..2416, 2507..2638		

Seq. No.	17652	Seq. ID	OJ990526_12.0103.C52
Gene No.	37108	Strand	-
Start	1	End	4387
Name	OJ990526_12.0103.C52.o1.tw	Method	TBLASTX:Wheat
Start	3427	End	3851
GI	none	Score	62
Exons	3427..3546, 3543..3599, 3551..3598, 3606..3635, 3646..3849, 3651..3839, 3654..3851		

Seq. No.	17652	Seq. ID	OJ990526_12.0103.C52
Gene No.	37108	Strand	-
Start	1	End	4387
Name	OJ990526_12.0103.C52.o1.ts	Method	TBLASTX:Soybean
Start	3781	End	4200
GI	none	Score	72
Exons	3781..3855, 3913..4200, 3970..4188		

Seq. No.	17652	Seq. ID	OJ990526_12.0103.C52
Gene No.	37108	Strand	-
Start	1	End	4387
Name	OJ990526_12.0103.C52.o1.tc	Method	TBLASTX:Cress
Start	3928	End	4194
GI	none	Score	186
Exons	3928..4194		

Seq. No.	17652	Seq. ID	OJ990526_12.0103.C52
Gene No.	37108	Strand	-
Start	1	End	4387
Name	OJ990526_12.0103.C52.o2.tw	Method	TBLASTX:Wheat
Start	4077	End	4327
GI	none	Score	129
Exons	4077..4199, 4078..4203, 4195..4254, 4196..4255, 4289..4327, 4297..4323		

Seq. No.	17653	Seq. ID	OJ990526_12.0103.C53
Gene No.	37109	Strand	+
Start	1	End	776
Name	OJ990526_12.0103.C53.o1.np	Method	AAT/NAP
Start	1	End	615
GI	4680203	Score	533
Exons	1..615		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17653	Seq. ID	OJ990526_12.0103.C53
Gene No.	37109	Strand	+
Start	1	End	776
Name	OJ990526_12.0103.C53.o1.gs	Method	GENSCAN
Start	305	End	776
GI	none	Score	.63
Exons	305..419, 649..776		

Seq. No.	17653	Seq. ID	OJ990526_12.0103.C53
Gene No.	37110	Strand	-
Start	1170	End	1390
Name	OJ990526_12.0103.C53.o1.ts	Method	TBLASTX:Soybean
Start	19	End	306
GI	none	Score	184

Exons	19..306, 19..294, 69..302		
Seq. No.	17653	Seq. ID	OJ990526_12.0103.C53
Gene No.	37110	Strand	-
Start	1170	End	1390
Name	OJ990526_12.0103.C53.o1.tc	Method	TBLASTX:Cress
Start	34	End	300
GI	none	Score	186
Exons	34..300, 54..212		
Seq. No.	17653	Seq. ID	OJ990526_12.0103.C53
Gene No.	37110	Strand	-
Start	1170	End	1390
Name	OJ990526_12.0103.C53.o1.tw	Method	TBLASTX:Wheat
Start	183	End	456
GI	none	Score	129
Exons	183..305, 184..309, 301..360, 302..361, 395..448, 403..456		
Seq. No.	17653	Seq. ID	OJ990526_12.0103.C53
Gene No.	37110	Strand	-
Start	1170	End	1390
Name	OJ990526_12.0103.C53.o2.gs	Method	GENSCAN
Start	1170	End	1390
GI	none	Score	.76
Exons	1170..1285, 1336..1390		
Seq. No.	17654	Seq. ID	OJ990526_12.0103.C57
Gene No.	37111	Strand	+
Start	122	End	172
Name	OJ990526_12.0103.C57.o1.gs	Method	GENSCAN
Start	122	End	172
GI	none	Score	.57
Exons	122..172		
Seq. No.	17655	Seq. ID	OJ990526_12.0103.C64
Gene No.	37112	Strand	+
Start	101	End	699
Name	OJ990526_12.0103.C64.o1.np	Method	AAT/NAP
Start	101	End	699
GI	3176723	Score	116
Exons	101..183, 498..699		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	17655	Seq. ID	OJ990526_12.0103.C64
Gene No.	37112	Strand	+
Start	101	End	699
Name	OJ990526_12.0103.C64.o1.gs	Method	GENSCAN
Start	500	End	638
GI	none	Score	.6
Exons	500..638		
Seq. No.	17656	Seq. ID	OJ990526_12.0103.C65
Gene No.	37113	Strand	+
Start	30	End	981
Name	OJ990526_12.0103.C65.o1.np	Method	AAT/NAP
Start	30	End	981

GI	4836918	Score	195
Exons	30..599, 907..981		
GI Descrip.	(AC007153) 89334 [Arabidopsis thaliana]		

Seq. No.	17656	Seq. ID	OJ990526_12.0103.C65
Gene No.	37113	Strand	+
Start	30	End	981
Name	OJ990526_12.0103.C65.o1.gs	Method	GENSCAN
Start	115	End	746
GI	none	Score	.66
Exons	115..253, 290..452, 558..689, 738..746		

Seq. No.	17657	Seq. ID	OJ990526_12.0103.C66
Gene No.	37114	Strand	-
Start	1	End	536
Name	OJ990526_12.0103.C66.o1.np	Method	AAT/NAP
Start	1	End	531
GI	4689473	Score	125
Exons	1..239, 394..531		
GI Descrip.	(AC007213) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	17657	Seq. ID	OJ990526_12.0103.C66
Gene No.	37114	Strand	-
Start	1	End	536
Name	OJ990526_12.0103.C66.o1.gs	Method	GENSCAN
Start	22	End	274
GI	none	Score	.99
Exons	22..274		

Seq. No.	17657	Seq. ID	OJ990526_12.0103.C66
Gene No.	37114	Strand	-
Start	1	End	536
Name	OJ990526_12.0103.C66.o1.tm	Method	TBLASTX:Maize
Start	24	End	536
GI	none	Score	91
Exons	24..278, 26..196, 26..280, 27..278, 55..279, 399..536, 400..501		

Seq. No.	17658	Seq. ID	OJ990526_12.0103.C67
Gene No.	37115	Strand	+
Start	1	End	1764
Name	OJ990526_12.0103.C67.o1.np	Method	AAT/NAP
Start	1	End	1764
GI	4680183	Score	44
Exons	1..30, 1604..1764		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	17658	Seq. ID	OJ990526_12.0103.C67
Gene No.	37116	Strand	-
Start	707	End	1626
Name	OJ990526_12.0103.C67.o1.gs	Method	GENSCAN
Start	707	End	1626
GI	none	Score	.74
Exons	707..815, 1547..1626		

Seq. No.	17659	Seq. ID	OJ990526_12.0103.C68
Gene No.	37117	Strand	

Start	39	End	338
Name	OJ990526_12.0103.C68.o1.tm	Method	TBLASTX:Maize
Start	39	End	338
GI	none	Score	192
Exons	39..338, 41..160, 215..307		

Seq. No.	17660	Seq. ID	OJ990526_12.0103.C69
Gene No.	37118	Strand	+
Start	412	End	515
Name	OJ990526_12.0103.C69.o1.gs	Method	GENSCAN
Start	412	End	515
GI	none	Score	.91
Exons	412..515		

Seq. No.	17661	Seq. ID	OJ990526_12.0103.C71
Gene No.	37119	Strand	-
Start	1	End	576
Name	OJ990526_12.0103.C71.o1.gp	Method	AAT/GAP
Start	1	End	429
GI	101595_1.R1084	Score	671
Exons	1..286, 329..429		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	17661	Seq. ID	OJ990526_12.0103.C71
Gene No.	37119	Strand	-
Start	1	End	576
Name	OJ990526_12.0103.C71.o1.np	Method	AAT/NAP
Start	1	End	471
GI	6630696	Score	653
Exons	1..291, 331..471		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17661	Seq. ID	OJ990526_12.0103.C71
Gene No.	37119	Strand	-
Start	1	End	576
Name	OJ990526_12.0103.C71.o1.tm	Method	TBLASTX:Maize
Start	82	End	277
GI	none	Score	136
Exons	82..276, 85..276, 161..277		

Seq. No.	17661	Seq. ID	OJ990526_12.0103.C71
Gene No.	37119	Strand	-
Start	1	End	576
Name	OJ990526_12.0103.C71.o1.gs	Method	GENSCAN
Start	108	End	267
GI	none	Score	.8
Exons	108..267		

Seq. No.	17661	Seq. ID	OJ990526_12.0103.C71
Gene No.	37119	Strand	-
Start	1	End	576
Name	OJ990526_12.0103.C71.o1.tw	Method	TBLASTX:Wheat
Start	141	End	576
GI	none	Score	150

Exons	141..272, 142..273, 142..279, 161..277, 337..402, 486..575, 487..576		
Seq. No.	17662	Seq. ID	OJ990526_12.0103.C72
Gene No.	37120	Strand	-
Start	474	End	537
Name	OJ990526_12.0103.C72.o1.gs	Method	GENSCAN
Start	474	End	537
GI	none	Score	.87
Exons	474..537		
Seq. No.	17663	Seq. ID	OJ990526_12.0103.C73
Gene No.	37121	Strand	+
Start	86	End	430
Name	OJ990526_12.0103.C73.o1.gs	Method	GENSCAN
Start	86	End	430
GI	none	Score	.68
Exons	86..430		
Seq. No.	17664	Seq. ID	OJ990526_12.0103.C80
Gene No.	37122	Strand	+
Start	201	End	590
Name	OJ990526_12.0103.C80.o1.gs	Method	GENSCAN
Start	201	End	590
GI	none	Score	.92
Exons	201..272, 444..516, 558..590		
Seq. No.	17665	Seq. ID	OJ990526_12.0103.C82
Gene No.	37123	Strand	-
Start	225	End	325
Name	OJ990526_12.0103.C82.o1.gs	Method	GENSCAN
Start	225	End	325
GI	none	Score	.81
Exons	225..325		
Seq. No.	17666	Seq. ID	OJ990526_12.0103.C83
Gene No.	37124	Strand	+
Start	744	End	1085
Name	OJ990526_12.0103.C83.o1.gs	Method	GENSCAN
Start	744	End	1085
GI	none	Score	.58
Exons	744..797, 954..1085		
Seq. No.	17666	Seq. ID	OJ990526_12.0103.C83
Gene No.	37125	Strand	-
Start	2697	End	2764
Name	OJ990526_12.0103.C83.o2.gs	Method	GENSCAN
Start	2697	End	2764
GI	none	Score	.55
Exons	2697..2764		
Seq. No.	17667	Seq. ID	OJ990526_12.0103.C84
Gene No.	37126	Strand	+
Start	501	End	842
Name	OJ990526_12.0103.C84.o1.gs	Method	GENSCAN
Start	501	End	842
GI	none	Score	.47

Exons	501..554, 711..842		
Seq. No.	17668	Seq. ID	OJ990526_12.0103.C85
Gene No.	37127	Strand	+
Start	185	End	634
Name	OJ990526_12.0103.C85.o1.np	Method	AAT/NAP
Start	185	End	634
GI	6016874	Score	475
Exons	185..263, 347..484, 549..634		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	17668	Seq. ID	OJ990526_12.0103.C85
Gene No.	37128	Strand	-
Start	206	End	465
Name	OJ990526_12.0103.C85.o1.gs	Method	GENSCAN
Start	206	End	465
GI	none	Score	.57
Exons	206..293, 309..465		
Seq. No.	17669	Seq. ID	OJ990526_12.0103.C88
Gene No.	37129	Strand	+
Start	559	End	865
Name	OJ990526_12.0103.C88.o1.gs	Method	GENSCAN
Start	559	End	865
GI	none	Score	.82
Exons	559..661, 732..865		
Seq. No.	17670	Seq. ID	OJ990526_12.0103.C90
Gene No.	37130	Strand	+
Start	95	End	594
Name	OJ990526_12.0103.C90.o1.gs	Method	GENSCAN
Start	95	End	594
GI	none	Score	.5
Exons	95..104, 475..594		
Seq. No.	17671	Seq. ID	OJ990526_12.0103.C91
Gene No.	37131	Strand	
Start	240	End	996
Name	OJ990526_12.0103.C91.o1.tw	Method	TBLASTX:Wheat
Start	240	End	682
GI	none	Score	83
Exons	240..356, 400..585, 572..682		
Seq. No.	17671	Seq. ID	OJ990526_12.0103.C91
Gene No.	37131	Strand	
Start	240	End	996
Name	OJ990526_12.0103.C91.o1.tm	Method	TBLASTX:Maize
Start	400	End	996
GI	none	Score	49
Exons	400..573, 572..775, 615..764, 799..996, 848..910		
Seq. No.	17671	Seq. ID	OJ990526_12.0103.C91
Gene No.	37132	Strand	
Start	1065	End	1346
Name	OJ990526_12.0103.C91.o2.tm	Method	TBLASTX:Maize

Start	1065	End	1346
GI	none	Score	52
Exons	1065..1346, 1078..1170, 1225..1344		

Seq. No.	17672	Seq. ID	OJ990526_12.0103.C92
Gene No.	37133	Strand	-
Start	1	End	1609
Name	OJ990526_12.0103.C92.o1.np	Method	AAT/NAP
Start	1	End	1609
GI	6069646	Score	421
Exons	1..144, 649..1609		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	17672	Seq. ID	OJ990526_12.0103.C92
Gene No.	37133	Strand	-
Start	1	End	1609
Name	OJ990526_12.0103.C92.o1.tw	Method	TBLASTX:Wheat
Start	409	End	851
GI	none	Score	83
Exons	409..525, 569..754, 741..851		

Seq. No.	17672	Seq. ID	OJ990526_12.0103.C92
Gene No.	37133	Strand	-
Start	1	End	1609
Name	OJ990526_12.0103.C92.o1.tm	Method	TBLASTX:Maize
Start	569	End	1166
GI	none	Score	49
Exons	569..742, 741..1166, 784..933, 1018..1080		

Seq. No.	17673	Seq. ID	OJ990526_12.0103.C94
Gene No.	37134	Strand	+
Start	286	End	487
Name	OJ990526_12.0103.C94.o1.gs	Method	GENSCAN
Start	286	End	487
GI	none	Score	.63
Exons	286..301, 408..487		

Seq. No.	17674	Seq. ID	OJ990526_12.0103.C96
Gene No.	37135	Strand	
Start	343	End	801
Name	OJ990526_12.0103.C96.o1.tm	Method	TBLASTX:Maize
Start	343	End	801
GI	none	Score	87
Exons	343..414, 344..445, 518..658, 522..686, 533..697, 753..800, 763..801		

Seq. No.	17675	Seq. ID	OJ990526_12.0103.C97
Gene No.	37136	Strand	+
Start	1	End	6461
Name	OJ990526_12.0103.C97.o1.np	Method	AAT/NAP
Start	1	End	4821
GI	4263822	Score	519
Exons	1..568, 1980..2074, 2196..2352, 2504..2685, 3062..3188,		

4043..4111, 4197..4360, 4431..4821
GI Descrip. (AC006067) putative receptor-like protein kinase [Arabidopsis thaliana]

Seq. No.	17675	Seq. ID	OJ990526_12.0103.C97
Gene No.	37136	Strand	+
Start	1	End	6461
Name	OJ990526_12.0103.C97.o2.tm	Method	TBLASTX:Maize
Start	262	End	545
GI	none	Score	192
Exons	262..402, 266..430, 277..441, 497..544, 507..545		

Seq. No.	17675	Seq. ID	OJ990526_12.0103.C97
Gene No.	37136	Strand	+
Start	1	End	6461
Name	OJ990526_12.0103.C97.o1.gs	Method	GENSCAN
Start	278	End	887
GI	none	Score	.72
Exons	278..405, 686..887		

Seq. No.	17675	Seq. ID	OJ990526_12.0103.C97
Gene No.	37136	Strand	+
Start	1	End	6461
Name	OJ990526_12.0103.C97.o1.tm	Method	TBLASTX:Maize
Start	2169	End	3213
GI	none	Score	37
Exons	2169..2198, 2213..2317, 2213..2320, 2442..2549, 2449..2688, 2449..2688, 2508..2693, 3053..3193, 3059..3193, 3091..3213		

Seq. No.	17675	Seq. ID	OJ990526_12.0103.C97
Gene No.	37136	Strand	+
Start	1	End	6461
Name	OJ990526_12.0103.C97.o2.gs	Method	GENSCAN
Start	2184	End	6461
GI	none	Score	.65
Exons	2184..2322, 2423..2685, 3062..3188, 3309..3377, 4043..4111, 4197..4344, 4431..4807, 5394..5666, 6211..6461		

Seq. No.	17675	Seq. ID	OJ990526_12.0103.C97
Gene No.	37136	Strand	+
Start	1	End	6461
Name	OJ990526_12.0103.C97.o1.ts	Method	TBLASTX:Soybean
Start	3050	End	5419
GI	none	Score	92
Exons	3050..3190, 4057..4116, 4196..4306, 4332..4364, 4432..4521, 5339..5419		

Seq. No.	17675	Seq. ID	OJ990526_12.0103.C97
Gene No.	37136	Strand	+
Start	1	End	6461
Name	OJ990526_12.0103.C97.o1.tc	Method	TBLASTX:Cress
Start	3059	End	5419
GI	none	Score	97
Exons	3059..3190, 4057..4116, 4196..4306, 4332..4364, 4432..4521, 4615..4716, 5339..5419		

Seq. No.	17675	Seq. ID	OJ990526_12.0103.C97

Gene No.	37136	Strand	+
Start	1	End	6461
Name	OJ990526_12.0103.C97.o3.tm	Method	TBLASTX:Maize
Start	4057	End	5419
GI	none	Score	61
Exons	4057..4116, 4196..4306, 4332..4364, 4432..4521, 5339..5419		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o1.np	Method	AAT/NAP
Start	1	End	3985
GI	4206306	Score	1269
Exons	1..2986, 3933..3985		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o1.gs	Method	GENSCAN
Start	64	End	4858
GI	none	Score	.63
Exons	64..180, 532..867, 916..3160, 3192..3561, 3602..3638, 4000..4858		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o3.ts	Method	TBLASTX:Soybean
Start	545	End	853
GI	none	Score	89
Exons	545..853, 633..794		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o3.tm	Method	TBLASTX:Maize
Start	710	End	1087
GI	none	Score	195
Exons	710..1087		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o2.tw	Method	TBLASTX:Wheat
Start	1274	End	1672
GI	none	Score	78
Exons	1274..1543, 1583..1672		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o1.ts	Method	TBLASTX:Soybean
Start	1307	End	1717
GI	none	Score	93
Exons	1307..1558, 1392..1556, 1566..1715, 1580..1717		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98

Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o2.ts	Method	TBLASTX:Soybean
Start	1868	End	2338
GI	none	Score	78
Exons	1868..2056, 1881..2012, 2057..2338, 2163..2300		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o3.tw	Method	TBLASTX:Wheat
Start	2018	End	2336
GI	none	Score	102
Exons	2018..2335, 2022..2336		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o1.tm	Method	TBLASTX:Maize
Start	2024	End	2485
GI	none	Score	295
Exons	2024..2485, 2025..2483, 2096..2485		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o1.tw	Method	TBLASTX:Wheat
Start	2354	End	2758
GI	none	Score	221
Exons	2354..2698, 2354..2707, 2696..2758, 2726..2758		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o2.tm	Method	TBLASTX:Maize
Start	2486	End	2704
GI	none	Score	147
Exons	2486..2704, 2487..2684, 2504..2704		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o4.ts	Method	TBLASTX:Soybean
Start	2555	End	2920
GI	none	Score	70
Exons	2555..2689, 2702..2920, 2787..2909		

Seq. No.	17676	Seq. ID	OJ990526_12.0103.C98
Gene No.	37137	Strand	-
Start	1	End	4858
Name	OJ990526_12.0103.C98.o5.ts	Method	TBLASTX:Soybean
Start	3330	End	3668
GI	none	Score	188
Exons	3330..3668		

Seq. No.	17677	Seq. ID	OJ990526_12.0103.C100
Gene No.	37138	Strand	+

Start	106	End	1045
Name	OJ990526_12.0103.C100.o1.gs	Method	GENSCAN
Start	106	End	642
GI	none	Score	.49
Exons	106..229, 413..642		

Seq. No.	17677	Seq. ID	OJ990526_12.0103.C100
Gene No.	37138	Strand	+
Start	106	End	1045
Name	OJ990526_12.0103.C100.o2.tw	Method	TBLASTX:Wheat
Start	224	End	495
GI	none	Score	88
Exons	224..373, 361..495, 366..482		

Seq. No.	17677	Seq. ID	OJ990526_12.0103.C100
Gene No.	37138	Strand	+
Start	106	End	1045
Name	OJ990526_12.0103.C100.o1.np	Method	AAT/NAP
Start	296	End	1045
GI	99922	Score	718
Exons	296..1045		
GI Descrip.	hypothetical protein - soybean gi\|930025\|emb\|CAA31883\| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	17677	Seq. ID	OJ990526_12.0103.C100
Gene No.	37138	Strand	+
Start	106	End	1045
Name	OJ990526_12.0103.C100.o1.ts	Method	TBLASTX:Soybean
Start	400	End	813
GI	none	Score	109
Exons	400..525, 402..524, 544..813, 558..812		

Seq. No.	17677	Seq. ID	OJ990526_12.0103.C100
Gene No.	37138	Strand	+
Start	106	End	1045
Name	OJ990526_12.0103.C100.o1.tc	Method	TBLASTX:Cress
Start	544	End	894
GI	none	Score	316
Exons	544..894, 552..701, 741..893		

Seq. No.	17677	Seq. ID	OJ990526_12.0103.C100
Gene No.	37138	Strand	+
Start	106	End	1045
Name	OJ990526_12.0103.C100.o1.tm	Method	TBLASTX:Maize
Start	660	End	927
GI	none	Score	246
Exons	660..926, 661..927		

Seq. No.	17677	Seq. ID	OJ990526_12.0103.C100
Gene No.	37138	Strand	+
Start	106	End	1045
Name	OJ990526_12.0103.C100.o1.tw	Method	TBLASTX:Wheat
Start	682	End	1001
GI	none	Score	324
Exons	682..981, 693..1001, 699..995		

Seq. No.	17678	Seq. ID	OJ990526_12.0103.C101

Gene No.	37139	Strand	+
Start	1	End	381
Name	OJ990526_12.0103.C101.o1.np	Method	AAT/NAP
Start	1	End	381
GI	6630696	Score	170
Exons	1..152, 282..381		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17679	Seq. ID	OJ990526_12.0103.C102
Gene No.	37140	Strand	+
Start	1	End	682
Name	OJ990526_12.0103.C102.o1.np	Method	AAT/NAP
Start	1	End	682
GI	6742729	Score	230
Exons	1..340, 660..682		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	17679	Seq. ID	OJ990526_12.0103.C102
Gene No.	37140	Strand	+
Start	1	End	682
Name	OJ990526_12.0103.C102.o1.gs	Method	GENSCAN
Start	51	End	208
GI	none	Score	.62
Exons	51..208		

Seq. No.	17680	Seq. ID	OJ990526_12.0103.C103
Gene No.	37141	Strand	+
Start	1	End	262
Name	OJ990526_12.0103.C103.o1.np	Method	AAT/NAP
Start	1	End	262
GI	6742729	Score	183
Exons	1..262		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	17681	Seq. ID	OJ990526_12.0103.C108
Gene No.	37142	Strand	-
Start	68	End	726
Name	OJ990526_12.0103.C108.o1.gs	Method	GENSCAN
Start	68	End	726
GI	none	Score	.61
Exons	68..322, 555..726		

Seq. No.	17682	Seq. ID	OJ990526_12.0103.C110
Gene No.	37143	Strand	+
Start	1	End	451
Name	OJ990526_12.0103.C110.o1.np	Method	AAT/NAP
Start	1	End	451
GI	4680180	Score	578
Exons	1..451		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17682	Seq. ID	OJ990526_12.0103.C110
Gene No.	37143	Strand	+
Start	1	End	451
Name	OJ990526_12.0103.C110.o1.gs	Method	GENSCAN

Start	4	End	303
GI	none	Score	.75
Exons	4..303		

Seq. No.	17682	Seq. ID	OJ990526_12.0103.C110
Gene No.	37143	Strand	+
Start	1	End	451
Name	OJ990526_12.0103.C110.o1.tw	Method	TBLASTX:Wheat
Start	99	End	389
GI	none	Score	194
Exons	99..293, 100..297, 272..328, 294..329, 337..381, 360..389		

Seq. No.	17683	Seq. ID	OJ990526_12.0103.C111
Gene No.	37144	Strand	+
Start	213	End	347
Name	OJ990526_12.0103.C111.o1.gs	Method	GENSCAN
Start	213	End	347
GI	none	Score	.66
Exons	213..347		

Seq. No.	17684	Seq. ID	OJ990526_12.0103.C112
Gene No.	37145	Strand	-
Start	103	End	490
Name	OJ990526_12.0103.C112.o1.gs	Method	GENSCAN
Start	103	End	490
GI	none	Score	.44
Exons	103..202, 225..371, 477..490		

Seq. No.	17685	Seq. ID	OJ990526_12.0103.C114
Gene No.	37146	Strand	-
Start	1	End	649
Name	OJ990526_12.0103.C114.o1.np	Method	AAT/NAP
Start	1	End	649
GI	4938475	Score	81
Exons	1..201, 287..437, 629..649		
GI Descrip.	(AL078464) serine/threonine-specific receptor protein kinase LRRPK [Arabidopsis thaliana]		

Seq. No.	17686	Seq. ID	OJ990526_12.0103.C115
Gene No.	37147	Strand	-
Start	643	End	792
Name	OJ990526_12.0103.C115.o1.gs	Method	GENSCAN
Start	643	End	792
GI	none	Score	.68
Exons	643..792		

Seq. No.	17687	Seq. ID	OJ990526_12.0103.C116
Gene No.	37148	Strand	-
Start	106	End	489
Name	OJ990526_12.0103.C116.o1.gs	Method	GENSCAN
Start	106	End	489
GI	none	Score	.55
Exons	106..489		

Seq. No.	17688	Seq. ID	OJ990526_12.0103.C117
Gene No.	37149	Strand	-
Start	1	End	1320

Name	OJ990526_12.0103.C117.o1.np	Method	AAT/NAP
Start	1	End	1320
GI	4836918	Score	72
Exons	1..48, 973..1320		
GI Descrip.	(AC007153) 89334 [Arabidopsis thaliana]		

Seq. No.	17688	Seq. ID	OJ990526_12.0103.C117
Gene No.	37149	Strand	-
Start	1	End	1320
Name	OJ990526_12.0103.C117.o1.gs	Method	GENSCAN
Start	178	End	1262
GI	none	Score	.81
Exons	178..294, 969..1100, 1206..1262		

Seq. No.	17689	Seq. ID	OJ990526_12.0103.C118
Gene No.	37150	Strand	+
Start	71	End	325
Name	OJ990526_12.0103.C118.o1.gs	Method	GENSCAN
Start	71	End	325
GI	none	Score	.67
Exons	71..325		

Seq. No.	17690	Seq. ID	OJ990526_12.0103.C119
Gene No.	37151	Strand	+
Start	920	End	965
Name	OJ990526_12.0103.C119.o1.gs	Method	GENSCAN
Start	920	End	965
GI	none	Score	.41
Exons	920..965		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37152	Strand	+
Start	192	End	2738
Name	OJ990526_12.0103.C122.o1.gs	Method	GENSCAN
Start	192	End	1705
GI	none	Score	.57
Exons	192..237, 367..485, 756..968, 1107..1446, 1557..1705		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37152	Strand	+
Start	192	End	2738
Name	OJ990526_12.0103.C122.o1.np	Method	AAT/NAP
Start	699	End	2738
GI	6630696	Score	3373
Exons	699..2738		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37152	Strand	+
Start	192	End	2738
Name	OJ990526_12.0103.C122.o1.gp	Method	AAT/GAP
Start	741	End	1631
GI	101595_1.R1084	Score	1395
Exons	741..1441, 1557..1631		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to		

retrovirus-related POL polyproteins [Arabidopsis thaliana]'

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37153	Strand	-
Start	1975	End	2697
Name	OJ990526_12.0103.C122.o2.tw	Method	TBLASTX:Wheat
Start	593	End	990
GI	none	Score	128
Exons	593..691, 594..728, 731..970, 768..989, 808..990		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37153	Strand	-
Start	1975	End	2697
Name	OJ990526_12.0103.C122.o3.tm	Method	TBLASTX:Maize
Start	740	End	1049
GI	none	Score	281
Exons	740..970, 765..1049, 841..1011, 873..1046		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37153	Strand	-
Start	1975	End	2697
Name	OJ990526_12.0103.C122.o1.tm	Method	TBLASTX:Maize
Start	1572	End	1916
GI	none	Score	367
Exons	1572..1844, 1577..1846, 1580..1846, 1875..1916		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37153	Strand	-
Start	1975	End	2697
Name	OJ990526_12.0103.C122.o2.ts	Method	TBLASTX:Soybean
Start	1890	End	2270
GI	none	Score	89
Exons	1890..2039, 2022..2270		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37153	Strand	-
Start	1975	End	2697
Name	OJ990526_12.0103.C122.o2.gs	Method	GENSCAN
Start	1975	End	2106
GI	none	Score	.86
Exons	1975..2106		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37153	Strand	-
Start	1975	End	2697
Name	OJ990526_12.0103.C122.o3.tw	Method	TBLASTX:Wheat
Start	1989	End	2327
GI	none	Score	250
Exons	1989..2327, 2064..2318, 2177..2326		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37153	Strand	-
Start	1975	End	2697
Name	OJ990526_12.0103.C122.o2.tm	Method	TBLASTX:Maize
Start	2028	End	2492
GI	none	Score	305
Exons	2028..2492, 2267..2485		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37153	Strand	-
Start	1975	End	2697
Name	OJ990526_12.0103.C122.o1.ts	Method	TBLASTX:Soybean
Start	2280	End	2678
GI	none	Score	189
Exons	2280..2501, 2282..2488, 2505..2678		

Seq. No.	17691	Seq. ID	OJ990526_12.0103.C122
Gene No.	37153	Strand	-
Start	1975	End	2697
Name	OJ990526_12.0103.C122.o1.tw	Method	TBLASTX:Wheat
Start	2328	End	2697
GI	none	Score	243
Exons	2328..2390, 2336..2695, 2336..2695, 2337..2696, 2347..2697		

Seq. No.	17692	Seq. ID	OJ990526_12.0103.C126
Gene No.	37154	Strand	+
Start	846	End	1800
Name	OJ990526_12.0103.C126.o1.gs	Method	GENSCAN
Start	846	End	1800
GI	none	Score	.44
Exons	846..995, 1705..1800		

Seq. No.	17693	Seq. ID	OJ990526_12.0103.C127
Gene No.	37155	Strand	-
Start	24	End	565
Name	OJ990526_12.0103.C127.o1.gs	Method	GENSCAN
Start	24	End	565
GI	none	Score	.48
Exons	24..206, 326..565		

Seq. No.	17694	Seq. ID	OJ990526_12.0103.C128
Gene No.	37156	Strand	-
Start	1	End	1073
Name	OJ990526_12.0103.C128.o1.np	Method	AAT/NAP
Start	1	End	1073
GI	6016874	Score	760
Exons	1..174, 292..475, 869..1073		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	17694	Seq. ID	OJ990526_12.0103.C128
Gene No.	37156	Strand	-
Start	1	End	1073
Name	OJ990526_12.0103.C128.o1.gs	Method	GENSCAN
Start	15	End	986
GI	none	Score	.83
Exons	15..291, 869..986		

Seq. No.	17694	Seq. ID	OJ990526_12.0103.C128
Gene No.	37156	Strand	-
Start	1	End	1073
Name	OJ990526_12.0103.C128.o2.tm	Method	TBLASTX:Maize
Start	113	End	608

GI	none	Score	98
Exons	113..184, 323..406, 453..608, 454..597		

Seq. No.	17694	Seq. ID	OJ990526_12.0103.C128
Gene No.	37156	Strand	-
Start	1	End	1073
Name	OJ990526_12.0103.C128.o1.tm	Method	TBLASTX:Maize
Start	813	End	1040
GI	none	Score	108
Exons	813..1040, 814..1032		

Seq. No.	17694	Seq. ID	OJ990526_12.0103.C128
Gene No.	37156	Strand	-
Start	1	End	1073
Name	OJ990526_12.0103.C128.o1.gp	Method	AAT/GAP
Start	818	End	1073
GI	uC-osflcyp110c07b1	Score	472
Exons	818..1073		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	17695	Seq. ID	OJ990526_12.0103.C129
Gene No.	37157	Strand	-
Start	1	End	1292
Name	OJ990526_12.0103.C129.o1.np	Method	AAT/NAP
Start	1	End	1292
GI	6016874	Score	959
Exons	1..305, 696..928, 993..1130, 1214..1292		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	17695	Seq. ID	OJ990526_12.0103.C129
Gene No.	37157	Strand	-
Start	1	End	1292
Name	OJ990526_12.0103.C129.o1.gp	Method	AAT/GAP
Start	95	End	603
GI	uC-osflcyp110c07b1	Score	970
Exons	95..603		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	17695	Seq. ID	OJ990526_12.0103.C129
Gene No.	37157	Strand	-
Start	1	End	1292
Name	OJ990526_12.0103.C129.o1.gs	Method	GENSCAN
Start	146	End	1292
GI	none	Score	.76
Exons	146..305, 840..928, 993..1130, 1214..1292		

Seq. No.	17695	Seq. ID	OJ990526_12.0103.C129
Gene No.	37158	Strand	-
Start	1691	End	1799
Name	OJ990526_12.0103.C129.o2.tm	Method	TBLASTX:Maize
Start	90	End	404

GI	none	Score	108
Exons	90..317, 91..309, 330..404		

Seq. No.	17695	Seq. ID	OJ990526_12.0103.C129
Gene No.	37158	Strand	-
Start	1691	End	1799
Name	OJ990526_12.0103.C129.o1.tm	Method	TBLASTX:Maize
Start	498	End	944
GI	none	Score	110
Exons	498..536, 531..587, 624..872,	664..873,	858..944

Seq. No.	17695	Seq. ID	OJ990526_12.0103.C129
Gene No.	37158	Strand	-
Start	1691	End	1799
Name	OJ990526_12.0103.C129.o2.np	Method	AAT/NAP
Start	1691	End	1799
GI	6907084	Score	108
Exons	1691..1799		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17696	Seq. ID	OJ990526_12.0103.C132
Gene No.	37159	Strand	+
Start	86	End	421
Name	OJ990526_12.0103.C132.o1.gs	Method	GENSCAN
Start	86	End	421
GI	none	Score	.55
Exons	86..421		

Seq. No.	17697	Seq. ID	OJ990526_12.0103.C134
Gene No.	37160	Strand	-
Start	873	End	2377
Name	OJ990526_12.0103.C134.o1.np	Method	AAT/NAP
Start	873	End	2377
GI	4680183	Score	183
Exons	873..962, 1569..1639, 2303..2377		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	17698	Seq. ID	OJ990526_12.0103.C136
Gene No.	37161	Strand	-
Start	717	End	1062
Name	OJ990526_12.0103.C136.o1.gs	Method	GENSCAN
Start	717	End	1062
GI	none	Score	.77
Exons	717..830, 992..1062		

Seq. No.	17699	Seq. ID	OJ990526_12.0103.C138
Gene No.	37162	Strand	-
Start	155	End	301
Name	OJ990526_12.0103.C138.o1.gs	Method	GENSCAN
Start	155	End	301
GI	none	Score	.49
Exons	155..187, 229..301		

Seq. No.	17700	Seq. ID	OJ990526_12.0103.C139
Gene No.	37163	Strand	+
Start	129	End	287
Name	OJ990526_12.0103.C139.o1.gs	Method	GENSCAN

Start	129	End	287
GI	none	Score	.99
Exons	129..287		

Seq. No.	17701	Seq. ID	OJ990526_12.0103.C141
Gene No.	37164	Strand	-
Start	160	End	270
Name	OJ990526_12.0103.C141.o1.np	Method	AAT/NAP
Start	160	End	270
GI	6907084	Score	110
Exons	160..270		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17702	Seq. ID	OJ990526_12.0103.C142
Gene No.	37165	Strand	+
Start	1	End	3697
Name	OJ990526_12.0103.C142.o1.np	Method	AAT/NAP
Start	1	End	369
GI	6063554	Score	99
Exons	1..92, 196..369		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17702	Seq. ID	OJ990526_12.0103.C142
Gene No.	37165	Strand	+
Start	1	End	3697
Name	OJ990526_12.0103.C142.o1.gs	Method	GENSCAN
Start	205	End	3697
GI	none	Score	.41
Exons	205..213, 2119..2902, 3518..3697		

Seq. No.	17702	Seq. ID	OJ990526_12.0103.C142
Gene No.	37165	Strand	+
Start	1	End	3697
Name	OJ990526_12.0103.C142.o1.gp	Method	AAT/GAP
Start	328	End	927
GI	3761363	Score	841
Exons	328..927		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	17703	Seq. ID	OJ990526_12.0103.C143
Gene No.	37166	Strand	+
Start	55	End	702
Name	OJ990526_12.0103.C143.o1.gs	Method	GENSCAN
Start	55	End	702
GI	none	Score	.47
Exons	55..702		

Seq. No.	17704	Seq. ID	OJ990526_12.0103.C145
Gene No.	37167	Strand	-
Start	301	End	440
Name	OJ990526_12.0103.C145.o1.gs	Method	GENSCAN
Start	301	End	440
GI	none	Score	.55
Exons	301..440		

Seq. No.	17705	Seq. ID	OJ990526_12.0103.C148
Gene No.	37168	Strand	+
Start	1	End	817
Name	OJ990526_12.0103.C148.o1.np	Method	AAT/NAP
Start	1	End	817
GI	6630696	Score	1349
Exons	1..817		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17705	Seq. ID	OJ990526_12.0103.C148
Gene No.	37168	Strand	+
Start	1	End	817
Name	OJ990526_12.0103.C148.o1.tw	Method	TBLASTX:Wheat
Start	1	End	683
GI	none	Score	538
Exons	1..423, 2..424, 3..425, 429..683, 515..679		

Seq. No.	17705	Seq. ID	OJ990526_12.0103.C148
Gene No.	37168	Strand	+
Start	1	End	817
Name	OJ990526_12.0103.C148.o1.ts	Method	TBLASTX:Soybean
Start	1	End	312
GI	none	Score	113
Exons	1..135, 3..104, 139..312		

Seq. No.	17705	Seq. ID	OJ990526_12.0103.C148
Gene No.	37168	Strand	+
Start	1	End	817
Name	OJ990526_12.0103.C148.o1.gs	Method	GENSCAN
Start	37	End	710
GI	none	Score	.64
Exons	37..352, 436..710		

Seq. No.	17706	Seq. ID	OJ990526_12.0103.C149
Gene No.	37169	Strand	+
Start	1	End	822
Name	OJ990526_12.0103.C149.o1.np	Method	AAT/NAP
Start	1	End	822
GI	6630696	Score	813
Exons	1..822		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17706	Seq. ID	OJ990526_12.0103.C149
Gene No.	37169	Strand	+
Start	1	End	822
Name	OJ990526_12.0103.C149.o1.ts	Method	TBLASTX:Soybean
Start	245	End	593
GI	none	Score	148
Exons	245..409, 246..404, 404..592, 405..593		

Seq. No.	17706	Seq. ID	OJ990526_12.0103.C149
Gene No.	37169	Strand	+

Start	1	End	822
Name	OJ990526_12.0103.C149.o1.tm	Method	TBLASTX:Maize
Start	372	End	683
GI	none	Score	281
Exons	372..683, 395..682		

Seq. No.	17707	Seq. ID	OJ990526_12.0103.C150
Gene No.	37170	Strand	-
Start	1	End	522
Name	OJ990526_12.0103.C150.o1.np	Method	AAT/NAP
Start	1	End	522
GI	6630696	Score	768
Exons	1..522		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17707	Seq. ID	OJ990526_12.0103.C150
Gene No.	37170	Strand	-
Start	1	End	522
Name	OJ990526_12.0103.C150.o1.tm	Method	TBLASTX:Maize
Start	252	End	522
GI	none	Score	37
Exons	252..293, 259..288, 322..522, 323..520, 324..521		

Seq. No.	17708	Seq. ID	OJ990526_12.0103.C151
Gene No.	37171	Strand	+
Start	40	End	1000
Name	OJ990526_12.0103.C151.o1.np	Method	AAT/NAP
Start	40	End	1000
GI	3176723	Score	215
Exons	40..642, 957..1000		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	17708	Seq. ID	OJ990526_12.0103.C151
Gene No.	37171	Strand	+
Start	40	End	1000
Name	OJ990526_12.0103.C151.o1.gs	Method	GENSCAN
Start	109	End	707
GI	none	Score	.69
Exons	109..707		

Seq. No.	17709	Seq. ID	OJ990526_12.0103.C152
Gene No.	37172	Strand	+
Start	626	End	1770
Name	OJ990526_12.0103.C152.o1.gs	Method	GENSCAN
Start	626	End	1770
GI	none	Score	.73
Exons	626..1111, 1195..1336, 1698..1770		

Seq. No.	17709	Seq. ID	OJ990526_12.0103.C152
Gene No.	37172	Strand	+
Start	626	End	1770
Name	OJ990526_12.0103.C152.o1.tm	Method	TBLASTX:Maize
Start	1030	End	1485
GI	none	Score	79

Exons	1030..1131, 1038..1100, 1190..1300, 1194..1301, 1197..1313, 1438..1485		
Seq. No.	17710	Seq. ID	OJ990526_12.0103.C153
Gene No.	37173	Strand	+
Start	1028	End	1730
Name	OJ990526_12.0103.C153.o1.gs	Method	GENSCAN
Start	1028	End	1730
GI	none	Score	.73
Exons	1028..1177, 1612..1730		
Seq. No.	17710	Seq. ID	OJ990526_12.0103.C153
Gene No.	37174	Strand	-
Start	1	End	1764
Name	OJ990526_12.0103.C153.o1.np	Method	AAT/NAP
Start	1	End	1764
GI	6016874	Score	148
Exons	1..60, 1564..1764		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	17711	Seq. ID	OJ990526_12.0103.C154
Gene No.	37175	Strand	+
Start	1148	End	4225
Name	OJ990526_12.0103.C154.o1.tm	Method	TBLASTX:Maize
Start	879	End	1713
GI	none	Score	45
Exons	879..1058, 956..1057, 1142..1399, 1144..1431, 1144..1413, 1581..1712, 1582..1713		
Seq. No.	17711	Seq. ID	OJ990526_12.0103.C154
Gene No.	37175	Strand	+
Start	1148	End	4225
Name	OJ990526_12.0103.C154.o1.gs	Method	GENSCAN
Start	1148	End	4225
GI	none	Score	.96
Exons	1148..1410, 1582..1708, 2639..2719, 3510..3699, 3832..4225		
Seq. No.	17711	Seq. ID	OJ990526_12.0103.C154
Gene No.	37175	Strand	+
Start	1148	End	4225
Name	OJ990526_12.0103.C154.o1.tc	Method	TBLASTX:Cress
Start	1183	End	4129
GI	none	Score	39
Exons	1183..1224, 1240..1380, 1348..1506, 1573..1704, 1582..1734, 1590..1730, 3508..3702, 3509..3703, 3833..3922, 3938..4129		
Seq. No.	17711	Seq. ID	OJ990526_12.0103.C154
Gene No.	37175	Strand	+
Start	1148	End	4225
Name	OJ990526_12.0103.C154.o1.np	Method	AAT/NAP
Start	1237	End	4222
GI	3135251	Score	544
Exons	1237..1410, 1582..1712, 2661..2719, 3510..3699, 3832..4222		
GI Descrip.	(AC003058) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	17711	Seq. ID	OJ990526_12.0103.C154
Gene No.	37175	Strand	+
Start	1148	End	4225
Name	OJ990526_12.0103.C154.o2.tm	Method	TBLASTX:Maize
Start	3484	End	4120
GI	none	Score	133
Exons	3484..3630, 3509..3628, 3674..3703, 3833..3922, 3941..4120		

Seq. No.	17711	Seq. ID	OJ990526_12.0103.C154
Gene No.	37175	Strand	+
Start	1148	End	4225
Name	OJ990526_12.0103.C154.o1.tw	Method	TBLASTX:Wheat
Start	3509	End	3922
GI	none	Score	34
Exons	3509..3526, 3529..3705, 3530..3703, 3818..3922		

Seq. No.	17711	Seq. ID	OJ990526_12.0103.C154
Gene No.	37175	Strand	+
Start	1148	End	4225
Name	OJ990526_12.0103.C154.o1.ts	Method	TBLASTX:Soybean
Start	3545	End	4120
GI	none	Score	122
Exons	3545..3703, 3818..3913, 3980..4120		

Seq. No.	17712	Seq. ID	OJ990526_12.0103.C155
Gene No.	37176	Strand	-
Start	1	End	3552
Name	OJ990526_12.0103.C155.o1.np	Method	AAT/NAP
Start	1	End	3552
GI	6742729	Score	707
Exons	1..71, 1607..2419, 3504..3552		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	17712	Seq. ID	OJ990526_12.0103.C155
Gene No.	37176	Strand	-
Start	1	End	3552
Name	OJ990526_12.0103.C155.o1.tw	Method	TBLASTX:Wheat
Start	1679	End	2106
GI	none	Score	66
Exons	1679..1810, 1679..1804, 1760..1990, 1760..1996, 1813..2010, 1854..1994, 1990..2034, 1991..2035, 2044..2106, 2063..2104		

Seq. No.	17713	Seq. ID	OJ990526_12.0103.C156
Gene No.	37177	Strand	+
Start	273	End	616
Name	OJ990526_12.0103.C156.o1.gs	Method	GENSCAN
Start	273	End	616
GI	none	Score	.57
Exons	273..463, 556..616		

Seq. No.	17714	Seq. ID	OJ990526_12.0103.C158
Gene No.	37178	Strand	+
Start	1	End	675
Name	OJ990526_12.0103.C158.o1.np	Method	AAT/NAP
Start	1	End	675
GI	6016874	Score	316

Exons	1..170, 597..675		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	17714	Seq. ID	OJ990526_12.0103.C158
Gene No.	37178	Strand	+
Start	1	End	675
Name	OJ990526_12.0103.C158.o1.tm	Method	TBLASTX:Maize
Start	23	End	226
GI	none	Score	194
Exons	23..226, 25..225		
Seq. No.	17714	Seq. ID	OJ990526_12.0103.C158
Gene No.	37178	Strand	+
Start	1	End	675
Name	OJ990526_12.0103.C158.o1.gs	Method	GENSCAN
Start	53	End	170
GI	none	Score	.95
Exons	53..170		
Seq. No.	17715	Seq. ID	OJ990526_12.0103.C161
Gene No.	37179	Strand	+
Start	385	End	485
Name	OJ990526_12.0103.C161.o1.gs	Method	GENSCAN
Start	385	End	485
GI	none	Score	.78
Exons	385..485		
Seq. No.	17716	Seq. ID	OJ990526_12.0103.C165
Gene No.	37180	Strand	-
Start	46	End	453
Name	OJ990526_12.0103.C165.o1.np	Method	AAT/NAP
Start	46	End	453
GI	1196996	Score	415
Exons	46..453		
GI Descrip.	(J01829) unknown protein [Transposon Tn10]		
Seq. No.	17716	Seq. ID	OJ990526_12.0103.C165
Gene No.	37180	Strand	-
Start	46	End	453
Name	OJ990526_12.0103.C165.o1.gs	Method	GENSCAN
Start	258	End	453
GI	none	Score	.88
Exons	258..453		
Seq. No.	17716	Seq. ID	OJ990526_12.0103.C165
Gene No.	37181	Strand	
Start	413	End	559
Name	OJ990526_12.0103.C165.o1.tc	Method	TBLASTX:Cress
Start	413	End	559
GI	none	Score	191
Exons	413..559, 413..532, 415..558		
Seq. No.	17717	Seq. ID	OJ990526_12.0103.C166
Gene No.	37182	Strand	+
Start	1	End	474

Name	OJ990526_12.0103.C166.o1.np	Method	AAT/NAP
Start	1	End	474
GI	6016874	Score	370
Exons	1..66, 131..363, 431..474		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	17717	Seq. ID	OJ990526_12.0103.C166
Gene No.	37182	Strand	+
Start	1	End	474
Name	OJ990526_12.0103.C166.o1.tm	Method	TBLASTX:Maize
Start	115	End	435
GI	none	Score	69
Exons	115..201, 186..395, 187..435		

Seq. No.	17718	Seq. ID	OJ990526_12.0103.C167
Gene No.	37183	Strand	-
Start	62	End	268
Name	OJ990526_12.0103.C167.o1.gs	Method	GENSCAN
Start	62	End	268
GI	none	Score	.45
Exons	62..268		

Seq. No.	17719	Seq. ID	OJ990526_12.0103.C169
Gene No.	37184	Strand	-
Start	1	End	147
Name	OJ990526_12.0103.C169.o1.np	Method	AAT/NAP
Start	1	End	147
GI	6907086	Score	169
Exons	1..147		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17720	Seq. ID	OJ990526_12.0103.C172
Gene No.	37185	Strand	-
Start	1	End	98
Name	OJ990526_12.0103.C172.o1.np	Method	AAT/NAP
Start	1	End	98
GI	6002794	Score	110
Exons	1..98		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	17721	Seq. ID	OJ990526_12.0103.C174
Gene No.	37186	Strand	+
Start	1	End	337
Name	OJ990526_12.0103.C174.o1.np	Method	AAT/NAP
Start	1	End	337
GI	5042454	Score	81
Exons	1..27, 113..337		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17721	Seq. ID	OJ990526_12.0103.C174
Gene No.	37186	Strand	+
Start	1	End	337
Name	OJ990526_12.0103.C174.o1.gs	Method	GENSCAN
Start	95	End	199
GI	none	Score	.84

Exons	95..199		
Seq. No.	17722	Seq. ID	OJ990526_12.0103.C175
Gene No.	37187	Strand	-
Start	221	End	235
Name	OJ990526_12.0103.C175.o1.gs	Method	GENSCAN
Start	221	End	235
GI	none	Score	.92
Exons	221..235		
Seq. No.	17723	Seq. ID	OJ990526_12.0103.C181
Gene No.	37188	Strand	+
Start	340	End	1032
Name	OJ990526_12.0103.C181.o1.gs	Method	GENSCAN
Start	340	End	1032
GI	none	Score	.7
Exons	340..421, 881..1032		
Seq. No.	17723	Seq. ID	OJ990526_12.0103.C181
Gene No.	37189	Strand	-
Start	152	End	1921
Name	OJ990526_12.0103.C181.o1.np	Method	AAT/NAP
Start	152	End	1921
GI	6063554	Score	112
Exons	152..327, 963..990, 1800..1921		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	17724	Seq. ID	OJ990526_12.0103.C183
Gene No.	37190	Strand	-
Start	25	End	1806
Name	OJ990526_12.0103.C183.o1.gs	Method	GENSCAN
Start	25	End	1589
GI	none	Score	.44
Exons	25..530, 968..1115, 1470..1589		
Seq. No.	17724	Seq. ID	OJ990526_12.0103.C183
Gene No.	37190	Strand	-
Start	25	End	1806
Name	OJ990526_12.0103.C183.o1.ts	Method	TBLASTX:Soybean
Start	61	End	255
GI	none	Score	84
Exons	61..255, 74..253		
Seq. No.	17724	Seq. ID	OJ990526_12.0103.C183
Gene No.	37190	Strand	-
Start	25	End	1806
Name	OJ990526_12.0103.C183.o1.tw	Method	TBLASTX:Wheat
Start	64	End	1193
GI	none	Score	75
Exons	64..168, 77..169, 187..240, 203..235, 241..297, 243..284, 277..441, 308..448, 481..654, 569..613, 649..888, 662..754, 673..861, 879..1193, 901..1149		
Seq. No.	17724	Seq. ID	OJ990526_12.0103.C183
Gene No.	37190	Strand	-

Start	25	End	1806
Name	OJ990526_12.0103.C183.o1.np	Method	AAT/NAP
Start	362	End	1806
GI	6742729	Score	1034
Exons	362..1806		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	17724	Seq. ID	OJ990526_12.0103.C183
Gene No.	37190	Strand	-
Start	25	End	1806
Name	OJ990526_12.0103.C183.o1.tc	Method	TBLASTX:Cress
Start	481	End	888
GI	none	Score	46
Exons	481..531, 568..654, 569..613, 649..888, 661..861		

Seq. No.	17724	Seq. ID	OJ990526_12.0103.C183
Gene No.	37190	Strand	-
Start	25	End	1806
Name	OJ990526_12.0103.C183.o1.tm	Method	TBLASTX:Maize
Start	838	End	1217
GI	none	Score	106
Exons	838..882, 873..1151, 880..1152, 1164..1217		

Seq. No.	17724	Seq. ID	OJ990526_12.0103.C183
Gene No.	37190	Strand	-
Start	25	End	1806
Name	OJ990526_12.0103.C183.o2.tw	Method	TBLASTX:Wheat
Start	1216	End	1536
GI	none	Score	40
Exons	1216..1293, 1320..1403, 1351..1386, 1404..1523, 1411..1449, 1423..1536, 1440..1523		

Seq. No.	17724	Seq. ID	OJ990526_12.0103.C183
Gene No.	37190	Strand	-
Start	25	End	1806
Name	OJ990526_12.0103.C183.o2.tm	Method	TBLASTX:Maize
Start	1329	End	1520
GI	none	Score	65
Exons	1329..1520, 1330..1449		

Seq. No.	17725	Seq. ID	OJ990526_12.0103.C184
Gene No.	37191	Strand	-
Start	1	End	641
Name	OJ990526_12.0103.C184.o1.np	Method	AAT/NAP
Start	1	End	641
GI	100484	Score	388
Exons	1..285, 323..641		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	17725	Seq. ID	OJ990526_12.0103.C184
Gene No.	37191	Strand	-
Start	1	End	641
Name	OJ990526_12.0103.C184.o1.tm	Method	TBLASTX:Maize
Start	84	End	280
GI	none	Score	77
Exons	84..239, 113..280		

Seq. No.	17726	Seq. ID	OJ990526_12.0103.C185
Gene No.	37192	Strand	-
Start	1	End	296
Name	OJ990526_12.0103.C185.o1.np	Method	AAT/NAP
Start	1	End	296
GI	5902444	Score	396
Exons	1..296		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17726	Seq. ID	OJ990526_12.0103.C185
Gene No.	37192	Strand	-
Start	1	End	296
Name	OJ990526_12.0103.C185.o1.tw	Method	TBLASTX:Wheat
Start	1	End	234
GI	none	Score	55
Exons	1..177, 156..233, 163..234		

Seq. No.	17727	Seq. ID	OJ990526_12.0103.C186
Gene No.	37193	Strand	-
Start	70	End	167
Name	OJ990526_12.0103.C186.o1.gs	Method	GENSCAN
Start	70	End	167
GI	none	Score	.75
Exons	70..167		

Seq. No.	17728	Seq. ID	OJ990526_12.0103.C187
Gene No.	37194	Strand	+
Start	94	End	148
Name	OJ990526_12.0103.C187.o1.gs	Method	GENSCAN
Start	94	End	148
GI	none	Score	.4
Exons	94..148		

Seq. No.	17728	Seq. ID	OJ990526_12.0103.C187
Gene No.	37195	Strand	-
Start	1	End	162
Name	OJ990526_12.0103.C187.o1.np	Method	AAT/NAP
Start	1	End	162
GI	6907088	Score	233
Exons	1..162		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17729	Seq. ID	OJ990526_12.0103.C188
Gene No.	37196	Strand	-
Start	184	End	416
Name	OJ990526_12.0103.C188.o1.gs	Method	GENSCAN
Start	184	End	416
GI	none	Score	.51
Exons	184..225, 308..416		

Seq. No.	17730	Seq. ID	OJ990526_12.0103.C189
Gene No.	37197	Strand	+
Start	82	End	195
Name	OJ990526_12.0103.C189.o1.gs	Method	GENSCAN
Start	82	End	195
GI	none	Score	.99
Exons	82..195		

Seq. No.	17731	Seq. ID	OJ990526_12.0103.C192
Gene No.	37198	Strand	+
Start	1	End	456
Name	OJ990526_12.0103.C192.o1.np	Method	AAT/NAP
Start	1	End	456
GI	6016874	Score	436
Exons	1..154, 272..456		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	17732	Seq. ID	OJ990526_12.0103.C193
Gene No.	37199	Strand	+
Start	1	End	418
Name	OJ990526_12.0103.C193.o1.gp	Method	AAT/GAP
Start	1	End	245
GI	101595_1.R1084	Score	389
Exons	1..245		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	17732	Seq. ID	OJ990526_12.0103.C193
Gene No.	37199	Strand	+
Start	1	End	418
Name	OJ990526_12.0103.C193.o1.np	Method	AAT/NAP
Start	1	End	418
GI	6630696	Score	597
Exons	1..418		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17732	Seq. ID	OJ990526_12.0103.C193
Gene No.	37199	Strand	+
Start	1	End	418
Name	OJ990526_12.0103.C193.o1.gs	Method	GENSCAN
Start	25	End	250
GI	none	Score	.46
Exons	25..250		

Seq. No.	17733	Seq. ID	OJ990526_12.0103.C194
Gene No.	37200	Strand	-
Start	381	End	530
Name	OJ990526_12.0103.C194.o1.gs	Method	GENSCAN
Start	381	End	530
GI	none	Score	.72
Exons	381..530		

Seq. No.	17734	Seq. ID	OJ990526_12.0103.C195
Gene No.	37201	Strand	-
Start	1	End	481
Name	OJ990526_12.0103.C195.o1.np	Method	AAT/NAP
Start	1	End	481
GI	5724773	Score	291
Exons	1..481		
GI Descrip.	(AF160183) contains similarity to Antirrhinum majus hypothetical		

protein TNP2 (GB:X57297); may be a pseudogene [Arabidopsis thaliana]

Seq. No.	17734	Seq. ID	OJ990526_12.0103.C195
Gene No.	37201	Strand	-
Start	1	End	481
Name	OJ990526_12.0103.C195.o1.tw	Method	TBLASTX:Wheat
Start	58	End	261
GI	none	Score	112
Exons	58..261, 77..217		

Seq. No.	17735	Seq. ID	OJ990526_12.0103.C197
Gene No.	37202	Strand	
Start	40	End	439
Name	OJ990526_12.0103.C197.o1.tm	Method	TBLASTX:Maize
Start	40	End	283
GI	none	Score	248
Exons	40..282, 41..283		

Seq. No.	17735	Seq. ID	OJ990526_12.0103.C197
Gene No.	37202	Strand	
Start	40	End	439
Name	OJ990526_12.0103.C197.o1.ts	Method	TBLASTX:Soybean
Start	43	End	439
GI	none	Score	147
Exons	43..144, 44..250, 251..439, 295..426		

Seq. No.	17736	Seq. ID	OJ990526_12.0103.C198
Gene No.	37203	Strand	+
Start	122	End	295
Name	OJ990526_12.0103.C198.o1.gs	Method	GENSCAN
Start	122	End	295
GI	none	Score	.45
Exons	122..295		

Seq. No.	17737	Seq. ID	OJ990526_12.0103.C199
Gene No.	37204	Strand	+
Start	54	End	734
Name	OJ990526_12.0103.C199.o1.gs	Method	GENSCAN
Start	54	End	734
GI	none	Score	.52
Exons	54..147, 382..583, 629..734		

Seq. No.	17738	Seq. ID	OJ990526_12.0103.C204
Gene No.	37205	Strand	+
Start	122	End	234
Name	OJ990526_12.0103.C204.o1.gs	Method	GENSCAN
Start	122	End	234
GI	none	Score	.5
Exons	122..234		

Seq. No.	17739	Seq. ID	OJ990916_14.0103.C2
Gene No.	37206	Strand	-
Start	70	End	523
Name	OJ990916_14.0103.C2.o1.gp	Method	AAT/GAP
Start	70	End	523
GI	none	Score	757

Exons	70..523		
Seq. No.	17740	Seq. ID	OJ990916_14.0103.C3
Gene No.	37207	Strand	+
Start	93	End	231
Name	OJ990916_14.0103.C3.o1.gs	Method	GENSCAN
Start	93	End	231
GI	none	Score	.72
Exons	93..231		
Seq. No.	17741	Seq. ID	OJ990916_14.0103.C5
Gene No.	37208	Strand	-
Start	67	End	84
Name	OJ990916_14.0103.C5.o1.gs	Method	GENSCAN
Start	67	End	84
GI	none	Score	.62
Exons	67..84		
Seq. No.	17742	Seq. ID	OJ990916_14.0103.C6
Gene No.	37209	Strand	+
Start	1	End	578
Name	OJ990916_14.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	578
GI	6721547	Score	78
Exons	1..351, 400..578		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37210	Strand	+
Start	5768	End	10705
Name	OJ990916_14.0103.C8.o2.gs	Method	GENSCAN
Start	5768	End	10705
GI	none	Score	.93
Exons	5768..5929, 6247..6370, 9061..9156, 9332..9463, 9513..9745, 9847..10044, 10142..10705		
Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37210	Strand	+
Start	5768	End	10705
Name	OJ990916_14.0103.C8.o1.np	Method	AAT/NAP
Start	9539	End	10696
GI	5453379	Score	913
Exons	9539..9745, 9847..10044, 10142..10696		
GI Descrip.	(AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]		
Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37211	Strand	+
Start	13126	End	15098
Name	OJ990916_14.0103.C8.o3.gs	Method	GENSCAN
Start	13126	End	15098
GI	none	Score	.96
Exons	13126..13195, 13976..14164, 14227..14370, 14562..14785, 14958..15098		
Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37212	Strand	+

Start	19036	End	27715
Name	OJ990916_14.0103.C8.o2.np	Method	AAT/NAP
Start	19036	End	27715
GI	5734709	Score	212
Exons	19036..19114, 21899..22104, 25918..26017, 27093..27439, 27673..27715		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37213	Strand	-
Start	18953	End	20324
Name	OJ990916_14.0103.C8.o4.gs	Method	GENSCAN
Start	18953	End	20324
GI	none	Score	.52
Exons	18953..19139, 19407..19578, 20252..20324		

Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37214	Strand	-
Start	23957	End	27623
Name	OJ990916_14.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	9602	End	10696
GI	none	Score	133
Exons	9602..9760, 9634..9753, 9844..10044, 9846..10043, 10144..10173, 10145..10372, 10222..10347, 10364..10426, 10430..10540, 10568..10696, 10628..10696		

Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37214	Strand	-
Start	23957	End	27623
Name	OJ990916_14.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	9608	End	10696
GI	none	Score	142
Exons	9608..9760, 9631..9741, 9847..9885, 9883..10047, 9897..10037, 10142..10696, 10144..10455		

Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37214	Strand	-
Start	23957	End	27623
Name	OJ990916_14.0103.C8.o2.tw	Method	TBLASTX:Wheat
Start	9608	End	10044
GI	none	Score	129
Exons	9608..9760, 9637..9741, 9844..9882, 9928..10044, 9936..10043		

Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37214	Strand	-
Start	23957	End	27623
Name	OJ990916_14.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	9614	End	10696
GI	none	Score	126
Exons	9614..9760, 9631..9741, 9840..9875, 9844..9876, 9900..10028, 9901..10029, 10135..10173, 10145..10363, 10430..10549, 10544..10696		

Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37214	Strand	-
Start	23957	End	27623

Name	OJ990916_14.0103.C8.o1.tw	Method	TBLASTX:Wheat
Start	10144	End	10555
GI	none	Score	298
Exons	10144..10425, 10145..10429, 10424..10555		

Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37214	Strand	-
Start	23957	End	27623
Name	OJ990916_14.0103.C8.o7.gs	Method	GENSCAN
Start	23957	End	27623
GI	none	Score	.78
Exons	23957..24014, 25729..25877, 25930..26555, 27037..27438, 27461..27623		

Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37214	Strand	-
Start	23957	End	27623
Name	OJ990916_14.0103.C8.o2.tc	Method	TBLASTX:Cress
Start	25903	End	26407
GI	none	Score	89
Exons	25903..26004, 25907..26005, 26101..26208, 26159..26200, 26248..26313, 26252..26311, 26348..26407, 26350..26382		

Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37214	Strand	-
Start	23957	End	27623
Name	OJ990916_14.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	25903	End	26146
GI	none	Score	140
Exons	25903..26031, 25910..26020, 26068..26145, 26084..26146		

Seq. No.	17743	Seq. ID	OJ990916_14.0103.C8
Gene No.	37214	Strand	-
Start	23957	End	27623
Name	OJ990916_14.0103.C8.o2.ts	Method	TBLASTX:Soybean
Start	26071	End	26556
GI	none	Score	74
Exons	26071..26133, 26155..26250, 26248..26319, 26344..26406, 26494..26556		

Seq. No.	17744	Seq. ID	OJ990916_14.0103.C9
Gene No.	37215	Strand	+
Start	7913	End	10226
Name	OJ990916_14.0103.C9.o3.gs	Method	GENSCAN
Start	7913	End	10216
GI	none	Score	.84
Exons	7913..8336, 8579..8655, 8828..8888, 9037..9280, 9374..9771, 10053..10216		

Seq. No.	17744	Seq. ID	OJ990916_14.0103.C9
Gene No.	37215	Strand	+
Start	7913	End	10226
Name	OJ990916_14.0103.C9.o1.np	Method	AAT/NAP
Start	7967	End	10226
GI	4512686	Score	221
Exons	7967..8074, 8222..8336, 8579..8655, 8828..8938, 10185..10226		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17744	Seq. ID	OJ990916_14.0103.C9
Gene No.	37216	Strand	-
Start	37	End	485
Name	OJ990916_14.0103.C9.o1.gs	Method	GENSCAN
Start	37	End	485
GI	none	Score	.59
Exons	37..485		

Seq. No.	17744	Seq. ID	OJ990916_14.0103.C9
Gene No.	37217	Strand	-
Start	5605	End	6107
Name	OJ990916_14.0103.C9.o2.gs	Method	GENSCAN
Start	5605	End	6107
GI	none	Score	.81
Exons	5605..5657, 5842..5969, 5971..6107		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37218	Strand	+
Start	906	End	2077
Name	OJ990916_14.0103.C10.o1.gs	Method	GENSCAN
Start	906	End	2077
GI	none	Score	.7
Exons	906..965, 1910..2077		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37219	Strand	+
Start	5142	End	5653
Name	OJ990916_14.0103.C10.o4.gp	Method	AAT/GAP
Start	5142	End	5653
GI	LIB3432-041-P1-K1-B9	Score	642
Exons	5142..5162, 5268..5653		
GI Descrip.	'5803254/dbj\|BAA83564.1\| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37220	Strand	+
Start	15175	End	16845
Name	OJ990916_14.0103.C10.o4.gs	Method	GENSCAN
Start	15175	End	16845
GI	none	Score	.78
Exons	15175..15253, 15488..15726, 16472..16528, 16534..16845		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37220	Strand	+
Start	15175	End	16845
Name	OJ990916_14.0103.C10.o3.np	Method	AAT/NAP
Start	15559	End	16595
GI	2244874	Score	90
Exons	15559..15795, 16108..16191, 16306..16595		
GI Descrip.	(Z97338) cell wall protein like [Arabidopsis thaliana]		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37221	Strand	+
Start	18936	End	19494

Name	OJ990916_14.0103.C10.o4.np	Method	AAT/NAP
Start	18936	End	19494
GI	6735381	Score	303
Exons	18936..19178, 19277..19494		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37221	Strand	+
Start	18936	End	19494
Name	OJ990916_14.0103.C10.o5.gs	Method	GENSCAN
Start	18936	End	19480
GI	none	Score	1
Exons	18936..19178, 19277..19480		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37221	Strand	+
Start	18936	End	19494
Name	OJ990916_14.0103.C10.o7.gp	Method	AAT/GAP
Start	18938	End	19425
GI	uC-osflm202120e05b1	Score	715
Exons	18938..19178, 19277..19425		
GI Descrip.	'3201625 1.0e-12 (AC004669) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37222	Strand	-
Start	4352	End	9192
Name	OJ990916_14.0103.C10.o3.gp	Method	AAT/GAP
Start	3592	End	4423
GI	none	Score	713
Exons	3592..3736, 4187..4423		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37222	Strand	-
Start	4352	End	9192
Name	OJ990916_14.0103.C10.o2.gs	Method	GENSCAN
Start	4352	End	9192
GI	none	Score	.71
Exons	4352..4579, 4686..4790, 5196..5287, 5727..5752, 5878..5939, 6165..6424, 6653..6929, 7454..7599, 7810..7929, 8520..8683, 8908..8959, 9108..9192		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37222	Strand	-
Start	4352	End	9192
Name	OJ990916_14.0103.C10.o5.gp	Method	AAT/GAP
Start	5725	End	6421
GI	none	Score	873
Exons	5725..5939, 6165..6421		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o8.tm	Method	TBLASTX:Maize
Start	4330	End	6431
GI	none	Score	85
Exons	4330..4365, 4376..4561, 4455..4577, 4672..4791, 4683..4790,		

5184..5276, 5724..5939, 5725..5916, 5727..5933, 6188..6394,
6192..6431, 6204..6392, 6232..6393

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o6.gp	Method	AAT/GAP
Start	9749	End	10212
GI	none	Score	895
Exons	9749..10212		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o5.tm	Method	TBLASTX:Maize
Start	9856	End	10363
GI	none	Score	129
Exons	9856..10029, 10135..10362, 10138..10362, 10166..10363		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o3.gs	Method	GENSCAN
Start	9859	End	13975
GI	none	Score	.42
Exons	9859..10656, 10777..10864, 10947..11056, 11418..12801, 12976..13263, 13561..13622, 13679..13975		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o2.np	Method	AAT/NAP
Start	9863	End	13352
GI	4432794	Score	993
Exons	9863..9922, 11106..13352		
GI Descrip.	(AC006437) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o1.np	Method	AAT/NAP
Start	9889	End	13459
GI	4038056	Score	1235
Exons	9889..9922, 11095..13109, 13137..13459		
GI Descrip.	(AC005897) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o4.tm	Method	TBLASTX:Maize
Start	10404	End	10852
GI	none	Score	199
Exons	10404..10667, 10408..10668, 10409..10639, 10411..10659, 10771..10851, 10772..10852		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o7.tm	Method	TBLASTX:Maize
Start	10942	End	11131
GI	none	Score	55
Exons	10942..11007, 10943..11131, 10959..11129, 11038..11130		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o1.tw	Method	TBLASTX:Wheat
Start	11162	End	11555
GI	none	Score	50
Exons	11162..11344, 11166..11342, 11340..11555, 11347..11418		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	11210	End	11703
GI	none	Score	122
Exons	11210..11359, 11210..11344, 11338..11436, 11340..11702, 11352..11660, 11509..11703		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	11258	End	11645
GI	none	Score	67
Exons	11258..11344, 11259..11342, 11349..11498, 11350..11436, 11508..11645		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	11730	End	12186
GI	none	Score	133
Exons	11730..12185, 11733..11861, 11734..11997, 11741..12184, 12070..12186		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o2.tw	Method	TBLASTX:Wheat
Start	12303	End	12605
GI	none	Score	87
Exons	12303..12545, 12303..12605, 12307..12591		

Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o3.tm	Method	TBLASTX:Maize
Start	12345	End	12813
GI	none	Score	265

Exons	12345..12620, 12345..12737, 12346..12663, 12657..12812, 12658..12813, 12658..12813		
Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o1.tc	Method	TBLASTX:Cress
Start	12390	End	12741
GI	none	Score	72
Exons	12390..12602, 12412..12546, 12633..12740, 12634..12741		
Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o2.ts	Method	TBLASTX:Soybean
Start	12474	End	12869
GI	none	Score	49
Exons	12474..12602, 12492..12602, 12633..12746, 12678..12716, 12738..12869, 12739..12855		
Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o3.tw	Method	TBLASTX:Wheat
Start	12633	End	12896
GI	none	Score	131
Exons	12633..12734, 12747..12896		
Seq. No.	17745	Seq. ID	OJ990916_14.0103.C10
Gene No.	37223	Strand	-
Start	9859	End	13975
Name	OJ990916_14.0103.C10.o6.tm	Method	TBLASTX:Maize
Start	13086	End	13361
GI	none	Score	53
Exons	13086..13151, 13092..13139, 13137..13190, 13204..13356, 13215..13361		
Seq. No.	17746	Seq. ID	OJ990916_14.0103.C11
Gene No.	37224	Strand	+
Start	1	End	300
Name	OJ990916_14.0103.C11.o1.np	Method	AAT/NAP
Start	1	End	300
GI	3201625	Score	232
Exons	1..300		
GI Descrip.	(AC004669) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	17746	Seq. ID	OJ990916_14.0103.C11
Gene No.	37224	Strand	+
Start	1	End	300
Name	OJ990916_14.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	38	End	266
GI	none	Score	173
Exons	38..175, 39..200, 87..203, 198..266, 205..240		
Seq. No.	17746	Seq. ID	OJ990916_14.0103.C11
Gene No.	37224	Strand	+
Start	1	End	300

Name	OJ990916_14.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	62	End	266
GI	none	Score	251
Exons	62..178, 72..266		

Seq. No.	17746	Seq. ID	OJ990916_14.0103.C11
Gene No.	37224	Strand	+
Start	1	End	300
Name	OJ990916_14.0103.C11.o1.gs	Method	GENSCAN
Start	102	End	277
GI	none	Score	.71
Exons	102..277		

Seq. No.	17747	Seq. ID	OJ990916_14.0103.C12
Gene No.	37225	Strand	+
Start	373	End	3363
Name	OJ990916_14.0103.C12.o1.gp	Method	AAT/GAP
Start	373	End	3116
GI	426564	Score	616
Exons	373..471, 586..678, 2101..2189, 3052..3116		

Seq. No.	17747	Seq. ID	OJ990916_14.0103.C12
Gene No.	37225	Strand	+
Start	373	End	3363
Name	OJ990916_14.0103.C12.o1.gs	Method	GENSCAN
Start	376	End	3138
GI	none	Score	.55
Exons	376..471, 586..678, 2101..2181, 3052..3138		

Seq. No.	17747	Seq. ID	OJ990916_14.0103.C12
Gene No.	37225	Strand	+
Start	373	End	3363
Name	OJ990916_14.0103.C12.o1.np	Method	AAT/NAP
Start	381	End	3363
GI	6735381	Score	67
Exons	381..466, 584..678, 2101..2181, 3046..3150, 3333..3363		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37226	Strand	+
Start	1	End	3097
Name	OJ990916_14.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	2909
GI	6735381	Score	1094
Exons	1..303, 535..659, 879..1075, 1206..1494, 1575..1647, 2830..2909		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37226	Strand	+
Start	1	End	3097
Name	OJ990916_14.0103.C13.o1.gp	Method	AAT/GAP
Start	544	End	1494
GI	58088_1.R1084	Score	1007
Exons	544..658, 919..1075, 1206..1494		
GI Descrip.	'3201626 4.0e-62 (AC004669) putative protein kinase MAP3K [Arabidopsis thaliana]'		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37226	Strand	+
Start	1	End	3097
Name	OJ990916_14.0103.C13.o2.gp	Method	AAT/GAP
Start	1583	End	3097
GI	70400_1.R1084	Score	608
Exons	1583..1647, 2830..3097		
GI Descrip.	'4559329/gb\|AAD22991.1\|AC007087_10 2.0e-13 (AC007087) putative protein kinase MAP3K [Arabidopsis thaliana]'		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37227	Strand	-
Start	4065	End	4674
Name	OJ990916_14.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	26	End	2915
GI	none	Score	68
Exons	26..121, 30..134, 188..304, 195..305, 527..652, 531..644, 533..658, 534..656, 739..765, 902..1072, 915..1076, 917..1075, 918..1076, 919..1077, 1188..1496, 1200..1322, 1204..1497, 1369..1497, 1569..1646, 1572..1634, 1574..1687, 2808..2915, 2828..2911		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37227	Strand	-
Start	4065	End	4674
Name	OJ990916_14.0103.C13.o3.ts	Method	TBLASTX:Soybean
Start	200	End	968
GI	none	Score	137
Exons	200..304, 201..305, 533..658, 534..656, 739..765, 915..968, 917..967		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37227	Strand	-
Start	4065	End	4674
Name	OJ990916_14.0103.C13.o2.tc	Method	TBLASTX:Cress
Start	533	End	1509
GI	none	Score	109
Exons	533..643, 534..659, 915..1076, 1233..1469, 1234..1509		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37227	Strand	-
Start	4065	End	4674
Name	OJ990916_14.0103.C13.o1.tw	Method	TBLASTX:Wheat
Start	915	End	1333
GI	none	Score	252
Exons	915..1076, 917..1075, 927..1079, 1188..1322, 1204..1317, 1214..1333		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37227	Strand	-
Start	4065	End	4674
Name	OJ990916_14.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	969	End	2921
GI	none	Score	157
Exons	969..1076, 971..1075, 1200..1496, 1203..1496, 1204..1497, 1571..1636, 1572..1646, 2808..2921, 2828..2917		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37227	Strand	-
Start	4065	End	4674
Name	OJ990916_14.0103.C13.o2.np	Method	AAT/NAP
Start	4065	End	4674
GI	2191136	Score	450
Exons	4065..4674		
GI Descrip.	(AF007269) Similar to UTP-Glucose Glucosyltransferase; coded for by A. thaliana cDNA T46230; coded for by A. thaliana cDNA H76538; coded for by A. thaliana cDNA H76290 [Arabidopsis thaliana]		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37227	Strand	-
Start	4065	End	4674
Name	OJ990916_14.0103.C13.o2.ts	Method	TBLASTX:Soybean
Start	4098	End	4674
GI	none	Score	193
Exons	4098..4154, 4260..4565, 4273..4566, 4591..4674, 4595..4672		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37227	Strand	-
Start	4065	End	4674
Name	OJ990916_14.0103.C13.o2.tm	Method	TBLASTX:Maize
Start	4227	End	4673
GI	none	Score	187
Exons	4227..4535, 4270..4536, 4560..4673, 4594..4671, 4595..4669		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37227	Strand	-
Start	4065	End	4674
Name	OJ990916_14.0103.C13.o2.tw	Method	TBLASTX:Wheat
Start	4288	End	4653
GI	none	Score	146
Exons	4288..4596, 4302..4532, 4600..4653		

Seq. No.	17748	Seq. ID	OJ990916_14.0103.C13
Gene No.	37227	Strand	-
Start	4065	End	4674
Name	OJ990916_14.0103.C13.o1.tc	Method	TBLASTX:Cress
Start	4293	End	4674
GI	none	Score	211
Exons	4293..4553, 4294..4557, 4591..4674, 4592..4654		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37228	Strand	+
Start	21969	End	25954
Name	OJ990916_14.0103.C14.o5.gs	Method	GENSCAN
Start	21969	End	22700
GI	none	Score	.94
Exons	21969..22700		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37228	Strand	+
Start	21969	End	25954
Name	OJ990916_14.0103.C14.o6.np	Method	AAT/NAP
Start	22409	End	25954

GI	6466937	Score	666
Exons	22409..22460, 24083..25954		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37228	Strand	+
Start	21969	End	25954
Name	OJ990916_14.0103.C14.o6.gs	Method	GENSCAN
Start	23067	End	25608
GI	none	Score	.68
Exons	23067..23146, 23158..23278, 23620..24177, 24832..24928, 25346..25608		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37229	Strand	-
Start	15	End	14027
Name	OJ990916_14.0103.C14.o1.gs	Method	GENSCAN
Start	15	End	12363
GI	none	Score	.59
Exons	15..353, 392..641, 2700..2748, 2974..3167, 4195..4287, 4728..4979, 5063..5120, 5161..5455, 5600..5916, 5952..6231, 6356..6544, 6695..7063, 7149..7400, 7980..8326, 8911..9418, 10264..11788, 11993..12363		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37229	Strand	-
Start	15	End	14027
Name	OJ990916_14.0103.C14.o1.np	Method	AAT/NAP
Start	8877	End	14027
GI	4680203	Score	1448
Exons	8877..9735, 10327..10575, 10735..10839, 10909..12504, 13980..14027		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37230	Strand	-
Start	14855	End	16309
Name	OJ990916_14.0103.C14.o3.np	Method	AAT/NAP
Start	14843	End	16276
GI	2191136	Score	861
Exons	14843..15796, 15854..16276		
GI Descrip.	(AF007269) Similar to UTP-Glucose Glucosyltransferase; coded for by A. thaliana cDNA T46230; coded for by A. thaliana cDNA H76538; coded for by A. thaliana cDNA H76290 [Arabidopsis thaliana]		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37230	Strand	-
Start	14855	End	16309
Name	OJ990916_14.0103.C14.o2.gs	Method	GENSCAN
Start	14855	End	16309
GI	none	Score	1
Exons	14855..16309		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37231	Strand	-

Start	16711	End	18815
Name	OJ990916_14.0103.C14.o4.np	Method	AAT/NAP
Start	16650	End	17399
GI	5091603	Score	233
Exons	16650..16703, 16823..17183, 17356..17399		
GI Descrip.	(AC007858) 10A19I.7 [Oryza sativa]		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37231	Strand	-
Start	16711	End	18815
Name	OJ990916_14.0103.C14.o3.gs	Method	GENSCAN
Start	16711	End	18815
GI	none	Score	.75
Exons	16711..16912, 17078..17206, 17261..17511, 18813..18815		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37232	Strand	-
Start	20742	End	21323
Name	OJ990916_14.0103.C14.o4.gs	Method	GENSCAN
Start	20742	End	21323
GI	none	Score	.9
Exons	20742..21158, 21228..21323		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o1.ts	Method	TBLASTX:Soybean
Start	3	End	16273
GI	none	Score	71
Exons	3..167, 3..167, 491..595, 14876..14932, 14996..15334, 15054..15323, 15368..15547, 15369..15494, 15551..15583, 15555..15584, 15602..15808, 15624..15656, 15872..15958, 15983..16072, 16152..16235, 16154..16273		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	174	End	16027
GI	none	Score	71
Exons	174..326, 524..682, 15005..15055, 15080..15310, 15098..15181, 15126..15317, 15368..15445, 15369..15500, 15379..15480, 15481..15525, 15491..15583, 15616..15678, 15619..15642, 15749..15829, 15812..16027, 15894..16025		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o1.tw	Method	TBLASTX:Wheat
Start	9017	End	10464
GI	none	Score	75
Exons	9017..9085, 9092..9196, 9099..9191, 9209..9313, 9227..9283, 9302..9457, 9315..9464, 9520..9966, 9620..9904, 10288..10464		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156

Name	OJ990916_14.0103.C14.o3.tc	Method	TBLASTX:Cress
Start	9520	End	9859
GI	none	Score	103
Exons	9520..9858, 9620..9859		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o5.tm	Method	TBLASTX:Maize
Start	9790	End	10488
GI	none	Score	163
Exons	9790..9966, 9794..9970, 10272..10346, 10286..10414, 10288..10419, 10289..10420, 10414..10488		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o5.tw	Method	TBLASTX:Wheat
Start	11093	End	11439
GI	none	Score	38
Exons	11093..11143, 11104..11142, 11152..11250, 11176..11238, 11255..11293, 11257..11295, 11281..11394, 11288..11392, 11398..11439		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o2.tc	Method	TBLASTX:Cress
Start	11344	End	11697
GI	none	Score	75
Exons	11344..11697, 11350..11610		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o3.tm	Method	TBLASTX:Maize
Start	11365	End	11602
GI	none	Score	141
Exons	11365..11568, 11365..11571, 11381..11602		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o3.ts	Method	TBLASTX:Soybean
Start	11425	End	11665
GI	none	Score	101
Exons	11425..11664, 11426..11665		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o2.tw	Method	TBLASTX:Wheat
Start	11440	End	12024
GI	none	Score	60
Exons	11440..11568, 11559..11660, 11560..11679, 11566..11685, 11579..11683, 11714..11968, 11729..11818, 11734..12024		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o2.ts	Method	TBLASTX:Soybean
Start	11729	End	12012
GI	none	Score	112
Exons	11729..11989, 11734..12012		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o4.tw	Method	TBLASTX:Wheat
Start	15035	End	15427
GI	none	Score	148
Exons	15035..15307, 15057..15308, 15374..15427		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o1.tc	Method	TBLASTX:Cress
Start	15057	End	15685
GI	none	Score	178
Exons	15057..15323, 15080..15334, 15366..15497, 15368..15538, 15554..15583, 15555..15584, 15599..15685		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37233	Strand	-
Start	21954	End	22156
Name	OJ990916_14.0103.C14.o5.np	Method	AAT/NAP
Start	21954	End	22156
GI	3152583	Score	131
Exons	21954..22094, 22132..22156		
GI Descrip.	(AC002986) Contains similarity to inhibitor of apoptosis protein gb\|U45881 from D. melanogaster. [Arabidopsis thaliana]		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37234	Strand	
Start	24754	End	25317
Name	OJ990916_14.0103.C14.o4.tm	Method	TBLASTX:Maize
Start	24754	End	25317
GI	none	Score	105
Exons	24754..24909, 24898..25146, 25240..25317		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37235	Strand	
Start	25426	End	25949
Name	OJ990916_14.0103.C14.o2.tm	Method	TBLASTX:Maize
Start	25426	End	25894
GI	none	Score	388
Exons	25426..25872, 25476..25829, 25549..25863, 25865..25894		

Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37235	Strand	
Start	25426	End	25949
Name	OJ990916_14.0103.C14.o3.tw	Method	TBLASTX:Wheat
Start	25525	End	25949
GI	none	Score	249

Exons	25525..25857, 25533..25832, 25868..25945, 25869..25949		
Seq. No.	17749	Seq. ID	OJ990916_14.0103.C14
Gene No.	37235	Strand	
Start	25426	End	25949
Name	OJ990916_14.0103.C14.o4.ts	Method	TBLASTX:Soybean
Start	25540	End	25848
GI	none	Score	184
Exons	25540..25848		
Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37236	Strand	+
Start	1	End	7713
Name	OJ990916_14.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	1724
GI	6466937	Score	973
Exons	1..1724		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37236	Strand	+
Start	1	End	7713
Name	OJ990916_14.0103.C15.o1.gs	Method	GENSCAN
Start	85	End	7713
GI	none	Score	.56
Exons	85..305, 1002..1475, 1575..1709, 5469..5582, 5726..5791, 6079..6127, 6192..7713		
Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37236	Strand	+
Start	1	End	7713
Name	OJ990916_14.0103.C15.o1.gp	Method	AAT/GAP
Start	2635	End	2697
GI	LIB3477-003-P1-K1-E9	Score	86
Exons	2635..2697		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37236	Strand	+
Start	1	End	7713
Name	OJ990916_14.0103.C15.o2.gp	Method	AAT/GAP
Start	5113	End	5253
GI	3683_1.R1084	Score	168
Exons	5113..5253		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37236	Strand	+
Start	1	End	7713
Name	OJ990916_14.0103.C15.o2.np	Method	AAT/NAP
Start	6241	End	7695
GI	4218002	Score	618
Exons	6241..7180, 7229..7695		

GI Descrip. (AC006135) putative flavonol 3-O-glucosyltransferase [Arabidopsis thaliana]

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o4.tm	Method	TBLASTX:Maize
Start	2	End	376
GI	none	Score	175
Exons	2..127, 7..120, 146..376		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o1.tw	Method	TBLASTX:Wheat
Start	146	End	544
GI	none	Score	350
Exons	146..544, 331..453, 481..543		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	377	End	1012
GI	none	Score	266
Exons	377..643, 380..418, 481..639, 636..701, 700..1011, 700..1011, 701..1012		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o2.ts	Method	TBLASTX:Soybean
Start	401	End	784
GI	none	Score	184
Exons	401..643, 440..631, 502..636, 642..695, 698..784		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o4.tw	Method	TBLASTX:Wheat
Start	701	End	1012
GI	none	Score	245
Exons	701..1012, 764..952, 805..1011		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o2.tm	Method	TBLASTX:Maize
Start	1016	End	1802
GI	none	Score	37
Exons	1016..1048, 1052..1420, 1054..1422, 1430..1621, 1435..1623, 1492..1623, 1722..1802		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o2.tw	Method	TBLASTX:Wheat

Start	1079	End	1429
GI	none	Score	334
Exons	1079..1429, 1081..1416		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	6232	End	7497
GI	none	Score	93
Exons	6232..6354, 6445..6552, 6652..6891, 6840..6920, 6924..6968, 6925..6972, 6989..7138, 6993..7151, 7003..7155, 7240..7497, 7272..7454		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o3.tm	Method	TBLASTX:Maize
Start	6786	End	7682
GI	none	Score	43
Exons	6786..6851, 6937..6969, 6939..6971, 6997..7146, 6999..7160, 7000..7161, 7240..7485, 7272..7454, 7528..7560, 7638..7682		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	6939	End	7509
GI	none	Score	174
Exons	6939..7013, 6943..7155, 6993..7154, 7240..7509, 7275..7451		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o3.tw	Method	TBLASTX:Wheat
Start	7093	End	7485
GI	none	Score	68
Exons	7093..7146, 7255..7485, 7281..7436		

Seq. No.	17750	Seq. ID	OJ990916_14.0103.C15
Gene No.	37237	Strand	-
Start	9684	End	10989
Name	OJ990916_14.0103.C15.o2.gs	Method	GENSCAN
Start	9684	End	10989
GI	none	Score	.4
Exons	9684..9850, 10266..10449, 10981..10989		

Seq. No.	17751	Seq. ID	OJ990916_14.0103.C16
Gene No.	37238	Strand	+
Start	50	End	488
Name	OJ990916_14.0103.C16.o1.gs	Method	GENSCAN
Start	50	End	488
GI	none	Score	.69
Exons	50..136, 323..412, 452..488		

Seq. No.	17752	Seq. ID	OJ990916_14.0103.C17
Gene No.	37239	Strand	-

Start	299	End	608
Name	OJ990916_14.0103.C17.o1.gs	Method	GENSCAN
Start	299	End	608
GI	none	Score	.85
Exons	299..503, 547..608		

Seq. No.	17753	Seq. ID	OJ990916_14.0103.C19
Gene No.	37240	Strand	+
Start	77	End	740
Name	OJ990916_14.0103.C19.o1.gp	Method	AAT/GAP
Start	77	End	740
GI	26916_1.R1084	Score	1066
Exons	77..608, 713..740		
GI Descrip.	'4826572/emb\|CAB42886.1\| 5.0e-96 (AJ238848) polygalacturonase [Phleum pratense]'		

Seq. No.	17753	Seq. ID	OJ990916_14.0103.C19
Gene No.	37240	Strand	+
Start	77	End	740
Name	OJ990916_14.0103.C19.o1.np	Method	AAT/NAP
Start	104	End	740
GI	548493	Score	510
Exons	104..608, 713..740		
GI Descrip.	EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) gi\|629854\|pir\|\|S30067 polygalacturonase - maize gi\|288612\|emb\|CAA47052\| (X66422) polygalacturonase [Zea mays]		

Seq. No.	17753	Seq. ID	OJ990916_14.0103.C19
Gene No.	37240	Strand	+
Start	77	End	740
Name	OJ990916_14.0103.C19.o1.gs	Method	GENSCAN
Start	117	End	632
GI	none	Score	.91
Exons	117..632		

Seq. No.	17753	Seq. ID	OJ990916_14.0103.C19
Gene No.	37240	Strand	+
Start	77	End	740
Name	OJ990916_14.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	303	End	605
GI	none	Score	201
Exons	303..605		

Seq. No.	17753	Seq. ID	OJ990916_14.0103.C19
Gene No.	37240	Strand	+
Start	77	End	740
Name	OJ990916_14.0103.C19.o1.tm	Method	TBLASTX:Maize
Start	303	End	740
GI	none	Score	244
Exons	303..482, 318..461, 338..463, 480..629, 545..625, 552..626, 711..740		

Seq. No.	17753	Seq. ID	OJ990916_14.0103.C19
Gene No.	37240	Strand	+
Start	77	End	740
Name	OJ990916_14.0103.C19.o1.ts	Method	TBLASTX:Soybean

Start	315	End	602
GI	none	Score	107
Exons	315..446, 483..602		

Seq. No.	17753	Seq. ID	OJ990916_14.0103.C19
Gene No.	37240	Strand	+
Start	77	End	740
Name	OJ990916_14.0103.C19.o1.tw	Method	TBLASTX:Wheat
Start	338	End	740
GI	none	Score	311
Exons	338..484, 339..608, 348..485, 717..740, 717..740	542..607, 549..617, 568..618,	

Seq. No.	17754	Seq. ID	OJ990916_14.0103.C20
Gene No.	37241	Strand	+
Start	123	End	370
Name	OJ990916_14.0103.C20.o2.gp	Method	AAT/GAP
Start	123	End	370
GI	3761181	Score	450
Exons	123..370		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	17755	Seq. ID	OJ990916_14.0103.C21
Gene No.	37242	Strand	-
Start	1	End	709
Name	OJ990916_14.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	709
GI	4680204	Score	298
Exons	1..709		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	17756	Seq. ID	OJ990916_14.0103.C22
Gene No.	37243	Strand	-
Start	114	End	250
Name	OJ990916_14.0103.C22.o1.gs	Method	GENSCAN
Start	114	End	250
GI	none	Score	.45
Exons	114..250		

Seq. No.	17757	Seq. ID	OJ990916_14.0103.C23
Gene No.	37244	Strand	-
Start	212	End	338
Name	OJ990916_14.0103.C23.o1.gs	Method	GENSCAN
Start	212	End	338
GI	none	Score	.6
Exons	212..338		

Seq. No.	17758	Seq. ID	OJ990916_14.0103.C24
Gene No.	37245	Strand	-
Start	372	End	831
Name	OJ990916_14.0103.C24.o1.gs	Method	GENSCAN
Start	372	End	773
GI	none	Score	.96
Exons	372..773		

Seq. No.	17758	Seq. ID	OJ990916_14.0103.C24

Gene No.	37245	Strand	-
Start	372	End	831
Name	OJ990916_14.0103.C24.o1.np	Method	AAT/NAP
Start	375	End	831
GI	5902446	Score	724
Exons	375..831		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	17759	Seq. ID	OJ990916_14.0103.C25
Gene No.	37246	Strand	-
Start	1	End	703
Name	OJ990916_14.0103.C25.o1.np	Method	AAT/NAP
Start	1	End	703
GI	5902448	Score	1223
Exons	1..703		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	17759	Seq. ID	OJ990916_14.0103.C25
Gene No.	37246	Strand	-
Start	1	End	703
Name	OJ990916_14.0103.C25.o1.tw	Method	TBLASTX:Wheat
Start	424	End	702
GI	none	Score	201
Exons	424..702		

Seq. No.	17760	Seq. ID	OJ990916_14.0103.C26
Gene No.	37247	Strand	+
Start	60	End	532
Name	OJ990916_14.0103.C26.o1.gp	Method	AAT/GAP
Start	60	End	532
GI	34540_1.R1084	Score	903
Exons	60..532		
GI Descrip.	'548493/sp\|P35339\|PGLT_MAIZE 7.0e-29 EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) >gi_629854_pir__S30067 polygalacturonase - maize >gi_288612_emb_CAA47052_ (X66422) polygalacturonase [Zea mays]'		

Seq. No.	17760	Seq. ID	OJ990916_14.0103.C26
Gene No.	37248	Strand	-
Start	307	End	1125
Name	OJ990916_14.0103.C26.o1.tm	Method	TBLASTX:Maize
Start	291	End	1064
GI	none	Score	144
Exons	291..431, 293..442, 298..501, 504..1064, 582..632	298..501, 305..502, 496..1047,	

Seq. No.	17760	Seq. ID	OJ990916_14.0103.C26
Gene No.	37248	Strand	-
Start	307	End	1125
Name	OJ990916_14.0103.C26.o1.gs	Method	GENSCAN
Start	307	End	1052
GI	none	Score	.96
Exons	307..495, 522..1052		

Seq. No.	17760	Seq. ID	OJ990916_14.0103.C26
Gene No.	37248	Strand	-

Start	307	End	1125
Name	OJ990916_14.0103.C26.o1.np	Method	AAT/NAP
Start	310	End	1125
GI	548493	Score	1035
Exons	310..1125		
GI Descrip.	EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) gi\|629854\|pir\|\|S30067 polygalacturonase - maize gi\|288612\|emb\|CAA47052\| (X66422) polygalacturonase [Zea mays]		

Seq. No.	17760	Seq. ID	OJ990916_14.0103.C26
Gene No.	37248	Strand	-
Start	307	End	1125
Name	OJ990916_14.0103.C26.o1.ts	Method	TBLASTX:Soybean
Start	311	End	1053
GI	none	Score	194
Exons	311..493, 313..501, 504..524, 543..773, 543..1052, 556..1053		

Seq. No.	17760	Seq. ID	OJ990916_14.0103.C26
Gene No.	37248	Strand	-
Start	307	End	1125
Name	OJ990916_14.0103.C26.o1.tc	Method	TBLASTX:Cress
Start	313	End	1044
GI	none	Score	62
Exons	313..501, 314..502, 504..1040, 558..635, 663..782, 748..792, 814..1044		

Seq. No.	17760	Seq. ID	OJ990916_14.0103.C26
Gene No.	37248	Strand	-
Start	307	End	1125
Name	OJ990916_14.0103.C26.o2.gp	Method	AAT/GAP
Start	670	End	1052
GI	26916_1.R1084	Score	710
Exons	670..1052		
GI Descrip.	'4826572/emb\|CAB42886.1\| 5.0e-96 (AJ238848) polygalacturonase [Phleum pratense]'		

Seq. No.	17760	Seq. ID	OJ990916_14.0103.C26
Gene No.	37248	Strand	-
Start	307	End	1125
Name	OJ990916_14.0103.C26.o1.tw	Method	TBLASTX:Wheat
Start	883	End	1064
GI	none	Score	141
Exons	883..1053, 885..1064		

Seq. No.	17761	Seq. ID	OJ990916_14.0103.C28
Gene No.	37249	Strand	-
Start	1	End	465
Name	OJ990916_14.0103.C28.o1.np	Method	AAT/NAP
Start	1	End	465
GI	2781348	Score	245
Exons	1..98, 208..465		
GI Descrip.	(AC003113) F24O1.4 [Arabidopsis thaliana]		

Seq. No.	17761	Seq. ID	OJ990916_14.0103.C28
Gene No.	37249	Strand	-
Start	1	End	465

Name	OJ990916_14.0103.C28.o1.ts	Method	TBLASTX:Soybean
Start	3	End	396
GI	none	Score	75
Exons	3..80, 22..99, 208..396, 230..352		

Seq. No.	17761	Seq. ID	OJ990916_14.0103.C28
Gene No.	37249	Strand	-
Start	1	End	465
Name	OJ990916_14.0103.C28.o1.gs	Method	GENSCAN
Start	27	End	342
GI	none	Score	.71
Exons	27..98, 208..342		

Seq. No.	17762	Seq. ID	OJ990916_14.0103.C29
Gene No.	37250	Strand	+
Start	1	End	727
Name	OJ990916_14.0103.C29.o1.np	Method	AAT/NAP
Start	1	End	727
GI	5902444	Score	1227
Exons	1..727		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17762	Seq. ID	OJ990916_14.0103.C29
Gene No.	37250	Strand	+
Start	1	End	727
Name	OJ990916_14.0103.C29.o1.gs	Method	GENSCAN
Start	58	End	401
GI	none	Score	.44
Exons	58..401		

Seq. No.	17762	Seq. ID	OJ990916_14.0103.C29
Gene No.	37250	Strand	+
Start	1	End	727
Name	OJ990916_14.0103.C29.o1.tw	Method	TBLASTX:Wheat
Start	201	End	658
GI	none	Score	149
Exons	201..377, 264..377, 422..658, 426..656		

Seq. No.	17762	Seq. ID	OJ990916_14.0103.C29
Gene No.	37250	Strand	+
Start	1	End	727
Name	OJ990916_14.0103.C29.o1.tm	Method	TBLASTX:Maize
Start	509	End	656
GI	none	Score	183
Exons	509..655, 510..656		

Seq. No.	17763	Seq. ID	OJ990916_14.0103.C30
Gene No.	37251	Strand	+
Start	327	End	488
Name	OJ990916_14.0103.C30.o1.gs	Method	GENSCAN
Start	327	End	488
GI	none	Score	.77
Exons	327..488		

Seq. No.	17763	Seq. ID	OJ990916_14.0103.C30
Gene No.	37252	Strand	-
Start	1	End	671

Name	OJ990916_14.0103.C30.o1.np	Method	AAT/NAP
Start	1	End	671
GI	5091513	Score	410
Exons	1..115, 353..671		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17764	Seq. ID	OJ990916_14.0103.C32
Gene No.	37253	Strand	-
Start	1	End	267
Name	OJ990916_14.0103.C32.o1.np	Method	AAT/NAP
Start	1	End	267
GI	4680203	Score	186
Exons	1..267		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17764	Seq. ID	OJ990916_14.0103.C32
Gene No.	37253	Strand	-
Start	1	End	267
Name	OJ990916_14.0103.C32.o1.gs	Method	GENSCAN
Start	11	End	233
GI	none	Score	.87
Exons	11..233		

Seq. No.	17765	Seq. ID	OJ990916_14.0103.C34
Gene No.	37254	Strand	+
Start	1024	End	1972
Name	OJ990916_14.0103.C34.o1.gs	Method	GENSCAN
Start	1024	End	1972
GI	none	Score	.68
Exons	1024..1108, 1509..1647, 1668..1718, 1873..1972		

Seq. No.	17766	Seq. ID	OJ990916_14.0103.C36
Gene No.	37255	Strand	-
Start	1	End	114
Name	OJ990916_14.0103.C36.o1.np	Method	AAT/NAP
Start	1	End	114
GI	5042447	Score	95
Exons	1..114		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17767	Seq. ID	OJ990916_14.0103.C37
Gene No.	37256	Strand	+
Start	228	End	706
Name	OJ990916_14.0103.C37.o1.gs	Method	GENSCAN
Start	228	End	706
GI	none	Score	.4
Exons	228..253, 525..593, 595..706		

Seq. No.	17768	Seq. ID	OJ990916_14.0103.C40
Gene No.	37257	Strand	-
Start	2259	End	3156
Name	OJ990916_14.0103.C40.o1.np	Method	AAT/NAP
Start	1926	End	2790
GI	5852178	Score	389
Exons	1926..2026, 2360..2458, 2490..2790		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	17768	Seq. ID	OJ990916_14.0103.C40
Gene No.	37257	Strand	-
Start	2259	End	3156
Name	OJ990916_14.0103.C40.o1.gs	Method	GENSCAN
Start	2259	End	3156
GI	none	Score	.44
Exons	2259..2692, 3106..3156		

Seq. No.	17769	Seq. ID	OJ990916_14.0103.C41
Gene No.	37258	Strand	-
Start	186	End	1479
Name	OJ990916_14.0103.C41.o1.gs	Method	GENSCAN
Start	186	End	1319
GI	none	Score	.53
Exons	186..280, 513..630, 702..1319		

Seq. No.	17769	Seq. ID	OJ990916_14.0103.C41
Gene No.	37258	Strand	-
Start	186	End	1479
Name	OJ990916_14.0103.C41.o2.tm	Method	TBLASTX:Maize
Start	708	End	947
GI	none	Score	149
Exons	708..746, 759..947, 771..944, 829..945		

Seq. No.	17769	Seq. ID	OJ990916_14.0103.C41
Gene No.	37258	Strand	-
Start	186	End	1479
Name	OJ990916_14.0103.C41.o1.np	Method	AAT/NAP
Start	801	End	1479
GI	6705984	Score	1062
Exons	801..1479		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	17769	Seq. ID	OJ990916_14.0103.C41
Gene No.	37258	Strand	-
Start	186	End	1479
Name	OJ990916_14.0103.C41.o1.tm	Method	TBLASTX:Maize
Start	949	End	1223
GI	none	Score	247
Exons	949..1221, 951..1223		

Seq. No.	17769	Seq. ID	OJ990916_14.0103.C41
Gene No.	37258	Strand	-
Start	186	End	1479
Name	OJ990916_14.0103.C41.o1.tw	Method	TBLASTX:Wheat
Start	990	End	1388
GI	none	Score	448
Exons	990..1388, 1000..1386		

Seq. No.	17769	Seq. ID	OJ990916_14.0103.C41
Gene No.	37258	Strand	-
Start	186	End	1479
Name	OJ990916_14.0103.C41.o3.tm	Method	TBLASTX:Maize
Start	1227	End	1472
GI	none	Score	178
Exons	1227..1472		

Seq. No.	17770	Seq. ID	OJ990916_14.0103.C43
Gene No.	37259	Strand	+
Start	1	End	984
Name	OJ990916_14.0103.C43.o1.np	Method	AAT/NAP
Start	1	End	984
GI	5902444	Score	1372
Exons	1..984		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17770	Seq. ID	OJ990916_14.0103.C43
Gene No.	37259	Strand	+
Start	1	End	984
Name	OJ990916_14.0103.C43.o1.gs	Method	GENSCAN
Start	69	End	919
GI	none	Score	.61
Exons	69..198, 282..419, 633..919		

Seq. No.	17770	Seq. ID	OJ990916_14.0103.C43
Gene No.	37259	Strand	+
Start	1	End	984
Name	OJ990916_14.0103.C43.o1.tw	Method	TBLASTX:Wheat
Start	692	End	973
GI	none	Score	214
Exons	692..973, 721..972		

Seq. No.	17771	Seq. ID	OJ990916_14.0103.C45
Gene No.	37260	Strand	-
Start	860	End	1227
Name	OJ990916_14.0103.C45.o1.gs	Method	GENSCAN
Start	860	End	1227
GI	none	Score	.63
Exons	860..900, 1094..1227		

Seq. No.	17772	Seq. ID	OJ990916_14.0103.C46
Gene No.	37261	Strand	+
Start	1	End	594
Name	OJ990916_14.0103.C46.o1.np	Method	AAT/NAP
Start	1	End	584
GI	4680179	Score	791
Exons	1..584		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17772	Seq. ID	OJ990916_14.0103.C46
Gene No.	37261	Strand	+
Start	1	End	594
Name	OJ990916_14.0103.C46.o1.tm	Method	TBLASTX:Maize
Start	39	End	344
GI	none	Score	350
Exons	39..344, 39..221, 41..343		

Seq. No.	17772	Seq. ID	OJ990916_14.0103.C46
Gene No.	37261	Strand	+
Start	1	End	594
Name	OJ990916_14.0103.C46.o1.gs	Method	GENSCAN
Start	96	End	587
GI	none	Score	.4
Exons	96..587		

Seq. No.	17772	Seq. ID	OJ990916_14.0103.C46
Gene No.	37261	Strand	+
Start	1	End	594
Name	OJ990916_14.0103.C46.o1.tw	Method	TBLASTX:Wheat
Start	117	End	539
GI	none	Score	453
Exons	117..539, 137..517		

Seq. No.	17772	Seq. ID	OJ990916_14.0103.C46
Gene No.	37261	Strand	+
Start	1	End	594
Name	OJ990916_14.0103.C46.o2.tm	Method	TBLASTX:Maize
Start	348	End	594
GI	none	Score	195
Exons	348..560, 380..559, 553..594, 562..594		

Seq. No.	17773	Seq. ID	OJ990916_14.0103.C47
Gene No.	37262	Strand	+
Start	1	End	1035
Name	OJ990916_14.0103.C47.o1.np	Method	AAT/NAP
Start	1	End	372
GI	5902447	Score	235
Exons	1..372		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	17773	Seq. ID	OJ990916_14.0103.C47
Gene No.	37262	Strand	+
Start	1	End	1035
Name	OJ990916_14.0103.C47.o2.np	Method	AAT/NAP
Start	1	End	1035
GI	6691716	Score	468
Exons	1..88, 167..346, 426..613, 688..789, 933..1035		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	17773	Seq. ID	OJ990916_14.0103.C47
Gene No.	37262	Strand	+
Start	1	End	1035
Name	OJ990916_14.0103.C47.o1.gs	Method	GENSCAN
Start	37	End	877
GI	none	Score	.99
Exons	37..346, 414..613, 688..877		

Seq. No.	17774	Seq. ID	OJ990916_17.0103.C1
Gene No.	37263	Strand	-
Start	342	End	545
Name	OJ990916_17.0103.C1.o1.gs	Method	GENSCAN
Start	342	End	545
GI	none	Score	.89
Exons	342..545		

Seq. No.	17775	Seq. ID	OJ990916_17.0103.C2
Gene No.	37264	Strand	+
Start	3741	End	5166
Name	OJ990916_17.0103.C2.o2.gs	Method	GENSCAN

Start	3741	End	5166
GI	none	Score	.83
Exons	3741..4042, 4065..4212, 4358..4441, 4522..5166		

Seq. No.	17775	Seq. ID	OJ990916_17.0103.C2
Gene No.	37265	Strand	-
Start	565	End	2725
Name	OJ990916_17.0103.C2.o1.gs	Method	GENSCAN
Start	565	End	2725
GI	none	Score	.67
Exons	565..971, 1032..1164, 1508..1564, 1785..2004, 2311..2444, 2723..2725		

Seq. No.	17775	Seq. ID	OJ990916_17.0103.C2
Gene No.	37266	Strand	-
Start	5667	End	5951
Name	OJ990916_17.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	5539	End	5789
GI	none	Score	49
Exons	5539..5580, 5544..5789, 5617..5787		

Seq. No.	17775	Seq. ID	OJ990916_17.0103.C2
Gene No.	37266	Strand	-
Start	5667	End	5951
Name	OJ990916_17.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	5565	End	5951
GI	none	Score	69
Exons	5565..5951, 5599..5742		

Seq. No.	17775	Seq. ID	OJ990916_17.0103.C2
Gene No.	37266	Strand	-
Start	5667	End	5951
Name	OJ990916_17.0103.C2.o3.gs	Method	GENSCAN
Start	5667	End	5864
GI	none	Score	.61
Exons	5667..5864		

Seq. No.	17776	Seq. ID	OJ990916_17.0103.C3
Gene No.	37267	Strand	+
Start	407	End	515
Name	OJ990916_17.0103.C3.o1.gp	Method	AAT/GAP
Start	407	End	515
GI	2311510	Score	136
Exons	407..515		
GI Descrip.	3617770/emb\|CAA74705\| 3.0e-36 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	17776	Seq. ID	OJ990916_17.0103.C3
Gene No.	37268	Strand	-
Start	1	End	761
Name	OJ990916_17.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	761
GI	4507367	Score	56
Exons	1..29, 415..528, 735..761		
GI Descrip.	threonyl-tRNA synthetase gi\|135177\|sp\|P26639\|SYTC_HUMAN THREONYL-TRNA SYNTHETASE, CYTOPLASMIC (THREONINE--TRNA LIGASE) (THRRS) gi\|319870\|pir\|\|YSHUT threonine--tRNA ligase (EC 6.1.1.3)		

- human gi|1464742 (M63180) threonyl-tRNA synthetase [Homo sapiens]

Seq. No.	17776	Seq. ID	OJ990916_17.0103.C3
Gene No.	37268	Strand	-
Start	1	End	761
Name	OJ990916_17.0103.C3.o1.gs	Method	GENSCAN
Start	422	End	514
GI	none	Score	.95
Exons	422..514		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37269	Strand	+
Start	249	End	493
Name	OJ990916_17.0103.C5.o1.gs	Method	GENSCAN
Start	249	End	493
GI	none	Score	.97
Exons	249..493		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37270	Strand	+
Start	14509	End	15650
Name	OJ990916_17.0103.C5.o3.gs	Method	GENSCAN
Start	14509	End	15650
GI	none	Score	.95
Exons	14509..14587, 15268..15650		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37271	Strand	+
Start	23571	End	27977
Name	OJ990916_17.0103.C5.o2.np	Method	AAT/NAP
Start	23571	End	27977
GI	4539660	Score	4344
Exons	23571..27977		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37272	Strand	+
Start	28300	End	31282
Name	OJ990916_17.0103.C5.o3.np	Method	AAT/NAP
Start	28300	End	29588
GI	5852178	Score	361
Exons	28300..28368, 28767..28986, 29018..29130, 29493..29588		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37272	Strand	+
Start	28300	End	31282
Name	OJ990916_17.0103.C5.o6.np	Method	AAT/NAP
Start	29333	End	31282
GI	4680186	Score	239
Exons	29333..29377, 31077..31282		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37273	Strand	+
Start	39878	End	42908

Name	OJ990916_17.0103.C5.o6.gs	Method	GENSCAN
Start	39878	End	42908
GI	none	Score	.57
Exons	39878..39966, 40447..40618, 40752..40881, 41158..41200, 41555..41730, 42901..42908		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37274	Strand	+
Start	45993	End	47552
Name	OJ990916_17.0103.C5.o8.gs	Method	GENSCAN
Start	45993	End	47552
GI	none	Score	.66
Exons	45993..46143, 46796..46864, 47340..47458, 47472..47552		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37275	Strand	+
Start	48334	End	49158
Name	OJ990916_17.0103.C5.o9.np	Method	AAT/NAP
Start	48334	End	49158
GI	4680209	Score	41
Exons	48334..48531, 49043..49158		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37276	Strand	-
Start	11430	End	20135
Name	OJ990916_17.0103.C5.o1.np	Method	AAT/NAP
Start	11430	End	20135
GI	6630696	Score	2214
Exons	11430..12415, 13302..14133, 14249..14513, 15625..16152, 16575..17459, 18820..19074, 20091..20135		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37277	Strand	-
Start	27349	End	74191
Name	OJ990916_17.0103.C5.o5.gs	Method	GENSCAN
Start	27349	End	39177
GI	none	Score	.54
Exons	27349..27452, 27773..27928, 28422..28699, 28727..29077, 29100..29265, 31695..31776, 32205..32310, 32316..32787, 32987..33089, 33095..33253, 34699..34726, 35325..35457, 36553..36761, 36843..37026, 37766..37913, 38024..38177, 38999..39177		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37277	Strand	-
Start	27349	End	74191
Name	OJ990916_17.0103.C5.o4.np	Method	AAT/NAP
Start	27404	End	30059
GI	5852179	Score	302
Exons	27404..27463, 28727..28939, 29014..29221, 30039..30059		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5

Gene No.	37277	Strand	-
Start	27349	End	74191
Name	OJ990916_17.0103.C5.o8.np	Method	AAT/NAP
Start	28653	End	60888
GI	2760331	Score	429
Exons	28653..28733, 32552..32621, 32726..32933, 36455..36589, 36842..37414, 37503..37684, 44593..44618, 60860..60888		
GI Descrip.	(AC002130) F1N21.16 [Arabidopsis thaliana]		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37277	Strand	-
Start	27349	End	74191
Name	OJ990916_17.0103.C5.o7.np	Method	AAT/NAP
Start	31675	End	33408
GI	6907087	Score	964
Exons	31675..31776, 32316..32992, 33039..33408		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37277	Strand	-
Start	27349	End	74191
Name	OJ990916_17.0103.C5.o7.gs	Method	GENSCAN
Start	44439	End	45068
GI	none	Score	.82
Exons	44439..44753, 44759..44953, 45048..45068		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37277	Strand	-
Start	27349	End	74191
Name	OJ990916_17.0103.C5.o9.gs	Method	GENSCAN
Start	48321	End	52365
GI	none	Score	.67
Exons	48321..48460, 48509..48604, 49941..50102, 50138..50138, 50277..50370, 50490..50803, 50944..51334, 51787..51927, 52340..52365		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37277	Strand	-
Start	27349	End	74191
Name	OJ990916_17.0103.C5.o10.np	Method	AAT/NAP
Start	51307	End	73832
GI	3941736	Score	57
Exons	51307..51386, 51880..51927, 70689..70741, 71960..72007, 72543..72666, 73725..73832		
GI Descrip.	(AF109719) BAT3 [Mus musculus]		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37277	Strand	-
Start	27349	End	74191
Name	OJ990916_17.0103.C5.o10.gs	Method	GENSCAN
Start	54684	End	63471
GI	none	Score	.66
Exons	54684..54887, 54968..55383, 55479..55690, 56050..56155, 56204..56527, 56613..56863, 58969..59095, 63336..63471		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37277	Strand	-
Start	27349	End	74191
Name	OJ990916_17.0103.C5.o11.gs	Method	GENSCAN
Start	64393	End	74191
GI	none	Score	.67
Exons	64393..64398, 64681..65049, 66192..66376, 67404..67757, 68481..68576, 70299..70352, 71936..72026, 73725..73856, 74174..74191		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o5.ts	Method	TBLASTX:Soybean
Start	965	End	1210
GI	none	Score	113
Exons	965..1210, 1071..1208		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	1301	End	27632
GI	none	Score	693
Exons	1301..1675, 27006..27632, 27008..27511, 27563..27631		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o4.ts	Method	TBLASTX:Soybean
Start	1643	End	27209
GI	none	Score	87
Exons	1643..1951, 1731..1847, 27051..27209		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o12.tm	Method	TBLASTX:Maize
Start	1808	End	2164
GI	none	Score	212
Exons	1808..2164		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o11.tw	Method	TBLASTX:Wheat
Start	2279	End	2641
GI	none	Score	61
Exons	2279..2641, 2394..2531, 2565..2630		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	2403	End	2815
GI	none	Score	130
Exons	2403..2657, 2405..2656, 2678..2734, 2678..2815, 2682..2813		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o3.tw	Method	TBLASTX:Wheat
Start	2738	End	26433
GI	none	Score	107
Exons	2738..2866, 26009..26119, 26011..26118, 26118..26426, 26119..26433, 26125..26433		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	2741	End	26433
GI	none	Score	418
Exons	2741..2974, 26112..26426, 26113..26433		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o6.tw	Method	TBLASTX:Wheat
Start	3020	End	26008
GI	none	Score	63
Exons	3020..3154, 3155..3403, 25720..25812, 25725..26000, 25744..26007, 25745..26008, 25748..26008		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	3122	End	25975
GI	none	Score	53
Exons	3122..3202, 3123..3203, 3191..3562, 3200..3562, 25550..25714, 25762..25836, 25763..25975		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	3206	End	25993
GI	none	Score	57
Exons	3206..3466, 25598..25630, 25598..25630, 25634..25687, 25636..25677, 25742..25993, 25750..25887		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o4.tw	Method	TBLASTX:Wheat
Start	3455	End	25657
GI	none	Score	529
Exons	3455..3568, 3584..3811, 25174..25476, 25175..25657, 25286..25654		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o7.ts	Method	TBLASTX:Soybean

Start	3632	End	25486
GI	none	Score	103
Exons	3632..3766, 3773..3997, 25352..25486		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o6.tm	Method	TBLASTX:Maize
Start	3647	End	25476
GI	none	Score	328
Exons	3647..3805, 25184..25474, 25234..25476		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o9.ts	Method	TBLASTX:Soybean
Start	4407	End	4745
GI	none	Score	197
Exons	4407..4745		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o5.tw	Method	TBLASTX:Wheat
Start	11566	End	12048
GI	none	Score	348
Exons	11566..11952, 11604..11951, 11967..12041, 11971..12048		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o8.ts	Method	TBLASTX:Soybean
Start	11679	End	12044
GI	none	Score	93
Exons	11679..11930, 11922..12044		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o10.tm	Method	TBLASTX:Maize
Start	11913	End	12222
GI	none	Score	112
Exons	11913..12131, 11914..12222, 11916..12131		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o6.ts	Method	TBLASTX:Soybean
Start	12048	End	12399
GI	none	Score	84
Exons	12048..12392, 12193..12399		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o10.ts	Method	TBLASTX:Soybean
Start	13303	End	13524

GI	none	Score	107
Exons	13303..13524, 13358..13522		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o5.tm	Method	TBLASTX:Maize
Start	16590	End	16911
GI	none	Score	334
Exons	16590..16904, 16594..16881, 16657..16911		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o8.tm	Method	TBLASTX:Maize
Start	18806	End	19080
GI	none	Score	114
Exons	18806..19057, 18822..19025, 18826..19080, 18827..19072		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o10.tw	Method	TBLASTX:Wheat
Start	18829	End	19089
GI	none	Score	177
Exons	18829..19089, 18830..19081		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o8.tw	Method	TBLASTX:Wheat
Start	23775	End	24134
GI	none	Score	281
Exons	23775..24134, 23801..23878, 23808..24131, 23978..24133		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o9.tw	Method	TBLASTX:Wheat
Start	24700	End	25042
GI	none	Score	146
Exons	24700..24861, 24860..25042		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	26473	End	26999
GI	none	Score	177
Exons	26473..26694, 26625..26693, 26691..26999, 26717..26995		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	26685	End	27023
GI	none	Score	96

Exons	26685..26879, 26880..27023, 26882..27022		
Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	26787	End	27047
GI	none	Score	290
Exons	26787..27047, 26790..27038, 26792..27046		
Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	26846	End	27136
GI	none	Score	395
Exons	26846..27046, 26847..27134, 27065..27136		
Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	27185	End	27770
GI	none	Score	236
Exons	27185..27340, 27186..27347, 27344..27475, 27345..27770, 27501..27749, 27563..27769		
Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o7.tw	Method	TBLASTX:Wheat
Start	27632	End	27965
GI	none	Score	338
Exons	27632..27913, 27633..27965, 27783..27944		
Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o11.tm	Method	TBLASTX:Maize
Start	36926	End	37101
GI	none	Score	73
Exons	36926..37039, 36930..37040, 37041..37100, 37042..37101		
Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o7.tm	Method	TBLASTX:Maize
Start	65857	End	70293
GI	none	Score	73
Exons	65857..65967, 65859..65966, 65860..65967, 66035..66112, 66035..66196, 66037..66207, 66042..66221, 66084..66224, 66208..66279, 66279..66356, 66279..66377, 66280..66378, 66280..66381, 67402..67470, 67403..67447, 67468..67545, 67469..67546, 67522..67704, 67523..67672, 67720..67758, 68467..68568, 68479..68568, 68480..68569, 68480..68572, 69079..69150, 69079..69150, 69080..69151, 69220..69378, 69241..69411, 69242..69412, 69248..69388, 69249..69392,		

70171..70293, 70172..70276

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o13.tm	Method	TBLASTX:Maize
Start	71937	End	73799
GI	none	Score	97
Exons	71937..72014, 71938..72015, 72544..72672, 72544..72666, 72554..72694, 73722..73799, 73722..73799		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o9.tm	Method	TBLASTX:Maize
Start	72843	End	73136
GI	none	Score	43
Exons	72843..72887, 72851..72913, 72853..72990, 72869..73132, 72900..72998, 72991..73125, 72993..73136		

Seq. No.	17777	Seq. ID	OJ990916_17.0103.C5
Gene No.	37278	Strand	-
Start	76035	End	76196
Name	OJ990916_17.0103.C5.o12.gs	Method	GENSCAN
Start	76035	End	76196
GI	none	Score	.96
Exons	76035..76196		

Seq. No.	17778	Seq. ID	OJ990916_17.0103.C6
Gene No.	37279	Strand	-
Start	1	End	1281
Name	OJ990916_17.0103.C6.o1.gp	Method	AAT/GAP
Start	1	End	872
GI	uC-osrocyp014a08a1	Score	724
Exons	1..242, 456..527, 777..872		
GI Descrip.	'3617770/emb\|CAA74705\| 3.0e-20 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	17778	Seq. ID	OJ990916_17.0103.C6
Gene No.	37279	Strand	-
Start	1	End	1281
Name	OJ990916_17.0103.C6.o1.gs	Method	GENSCAN
Start	147	End	848
GI	none	Score	.9
Exons	147..242, 456..527, 777..848		

Seq. No.	17778	Seq. ID	OJ990916_17.0103.C6
Gene No.	37279	Strand	-
Start	1	End	1281
Name	OJ990916_17.0103.C6.o1.np	Method	AAT/NAP
Start	150	End	1281
GI	3617770	Score	130
Exons	150..242, 456..527, 777..884, 1256..1281		
GI Descrip.	(Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37280	Strand	+

Start	11615	End	13968
Name	OJ990916_17.0103.C7.o3.gs	Method	GENSCAN
Start	11615	End	13968
GI	none	Score	.67
Exons	11615..11665, 11762..11903, 12054..13231, 13313..13654, 13795..13968		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37281	Strand	-
Start	1	End	7838
Name	OJ990916_17.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	7715
GI	3617770	Score	1847
Exons	1..28, 168..404, 483..575, 1143..1235, 2180..2266, 2592..2624, 2725..2819, 4224..4308, 4412..4498, 4613..4709, 4803..4891, 5391..5480, 5563..5691, 6017..6091, 6302..6391, 6483..6542, 6708..6945, 7486..7715		
GI Descrip.	(Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37281	Strand	-
Start	1	End	7838
Name	OJ990916_17.0103.C7.o1.gs	Method	GENSCAN
Start	183	End	7688
GI	none	Score	.83
Exons	183..404, 483..575, 1143..1235, 2180..2266, 2592..2624, 2725..2819, 3429..3644, 4224..4308, 4412..4498, 5391..5480, 5563..5691, 6302..6391, 6708..6945, 7486..7688		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37281	Strand	-
Start	1	End	7838
Name	OJ990916_17.0103.C7.o1.gp	Method	AAT/GAP
Start	2725	End	5677
GI	17764_1.R1084	Score	1053
Exons	2725..2819, 4224..4308, 4412..4498, 4613..4709, 4803..4891, 5391..5480, 5563..5677		
GI Descrip.	'3617770/emb\|CAA74705\| 8.0e-87 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37281	Strand	-
Start	1	End	7838
Name	OJ990916_17.0103.C7.o2.gp	Method	AAT/GAP
Start	6806	End	7838
GI	uC-osf1M202123c07b1	Score	951
Exons	6806..6945, 7486..7838		
GI Descrip.	'3617770/emb\|CAA74705\| 2.0e-20 (Y14329) threonyl-tRNA synthetase [Arabidopsis thaliana]'		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37282	Strand	-
Start	9321	End	11322
Name	OJ990916_17.0103.C7.o2.gs	Method	GENSCAN
Start	9321	End	11322
GI	none	Score	.85
Exons	9321..9481, 9614..9965, 10829..10875, 11208..11322		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37283	Strand	-
Start	14723	End	15794
Name	OJ990916_17.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	172	End	594
GI	none	Score	115
Exons	172..369, 173..358, 177..410, 181..408, 448..579, 471..584, 480..587, 490..594		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37283	Strand	-
Start	14723	End	15794
Name	OJ990916_17.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	177	End	7604
GI	none	Score	118
Exons	177..410, 181..309, 213..410, 480..575, 481..570, 1147..1236, 1149..1235, 2180..2269, 2589..2624, 2704..2820, 2705..2821, 4225..4308, 4226..4309, 4409..4507, 4412..4501, 4610..4711, 4611..4712, 4805..4903, 4805..4891, 5391..5480, 5407..5481, 5563..5697, 5564..5698, 5586..5720, 6005..6094, 6018..6092, 6278..6394, 6309..6392, 6483..6545, 6484..6540, 6699..6935, 6708..6947, 6712..6972, 6975..6998, 7485..7604		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37283	Strand	-
Start	14723	End	15794
Name	OJ990916_17.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	180	End	4266
GI	none	Score	244
Exons	180..410, 181..408, 183..410, 480..578, 481..576, 1140..1235, 1143..1235, 1147..1236, 1147..1236, 2180..2269, 2181..2267, 2198..2269, 2587..2625, 2589..2624, 2594..2632, 2704..2820, 2705..2821, 2723..2821, 2724..2822, 4225..4266		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37283	Strand	-
Start	14723	End	15794
Name	OJ990916_17.0103.C7.o2.ts	Method	TBLASTX:Soybean
Start	1140	End	6806
GI	none	Score	100
Exons	1140..1235, 1144..1236, 2180..2269, 2181..2267, 2588..2626, 2589..2624, 2704..2820, 2723..2821, 4213..4311, 4223..4315, 4225..4323, 4226..4315, 4389..4490, 4409..4507, 4418..4507, 4610..4711, 4611..4718, 4612..4755, 4808..4891, 5386..5484, 5391..5480, 5563..5697, 5567..5692, 5581..5697, 6005..6097, 6018..6098, 6278..6388, 6472..6543, 6478..6543, 6483..6545, 6708..6806		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37283	Strand	-
Start	14723	End	15794
Name	OJ990916_17.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	4431	End	7602
GI	none	Score	99
Exons	4431..4499, 4431..4499, 4432..4500, 4433..4513, 4433..4507, 4610..4711, 4611..4718, 4804..4899, 4808..4891, 5385..5468,		

5386..5484, 5394..5480, 5563..5586, 5575..5697, 5588..5692,
6005..6097, 6008..6091, 6016..6093, 6018..6098, 6278..6394,
6283..6393, 6482..6538, 6483..6545, 6484..6543, 6696..6944,
6708..6947, 6709..6948, 6802..6948, 7485..7592, 7486..7602,
7486..7596

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37283	Strand	-
Start	14723	End	15794
Name	OJ990916_17.0103.C7.o3.ts	Method	TBLASTX:Soybean
Start	6807	End	7592
GI	none	Score	112
Exons	6807..6947, 6808..6948, 7485..7592		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37283	Strand	-
Start	14723	End	15794
Name	OJ990916_17.0103.C7.o4.gs	Method	GENSCAN
Start	14723	End	15691
GI	none	Score	.88
Exons	14723..15691		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37283	Strand	-
Start	14723	End	15794
Name	OJ990916_17.0103.C7.o3.np	Method	AAT/NAP
Start	14786	End	15794
GI	157608	Score	88
Exons	14786..15016, 15728..15794		
GI Descrip.	(M69216) ORF1 [Drosophila melanogaster]		

Seq. No.	17779	Seq. ID	OJ990916_17.0103.C7
Gene No.	37283	Strand	-
Start	14723	End	15794
Name	OJ990916_17.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	15197	End	15730
GI	none	Score	94
Exons	15197..15340, 15329..15505, 15560..15730		

Seq. No.	17780	Seq. ID	OJ990716_04.0107.C1
Gene No.	37284	Strand	+
Start	1	End	2262
Name	OJ990716_04.0107.C1.o1.gp	Method	AAT/GAP
Start	1	End	2092
GI	342_1.R1084	Score	3257
Exons	1..1404, 1440..1459, 1542..1639, 1749..2092		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	17780	Seq. ID	OJ990716_04.0107.C1
Gene No.	37284	Strand	+
Start	1	End	2262
Name	OJ990716_04.0107.C1.o3.gp	Method	AAT/GAP
Start	1	End	2262
GI	342_1.R1084	Score	3562
Exons	1..1404, 1440..1459, 1542..1639, 1749..2262		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza		

sativa]'

Seq. No.	17780	Seq. ID	OJ990716_04.0107.C1
Gene No.	37284	Strand	+
Start	1	End	2262
Name	OJ990716_04.0107.C1.o2.gp	Method	AAT/GAP
Start	1	End	2086
GI	342_1.R1084	Score	3245
Exons	1..1404, 1440..1459, 1542..1639, 1749..2086		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	17780	Seq. ID	OJ990716_04.0107.C1
Gene No.	37284	Strand	+
Start	1	End	2262
Name	OJ990716_04.0107.C1.o1.np	Method	AAT/NAP
Start	1	End	773
GI	6742729	Score	1124
Exons	1..773		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	17780	Seq. ID	OJ990716_04.0107.C1
Gene No.	37284	Strand	+
Start	1	End	2262
Name	OJ990716_04.0107.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	299
GI	none	Score	277
Exons	2..271, 3..299		

Seq. No.	17780	Seq. ID	OJ990716_04.0107.C1
Gene No.	37284	Strand	+
Start	1	End	2262
Name	OJ990716_04.0107.C1.o1.tw	Method	TBLASTX:Wheat
Start	3	End	1257
GI	none	Score	470
Exons	3..371, 3..122, 11..358, 153..371, 268..372, 340..570, 341..571, 580..858, 606..842, 853..897, 857..892, 900..995, 904..963, 942..1082, 943..1083, 1011..1091, 1096..1176, 1165..1257, 1191..1256		

Seq. No.	17780	Seq. ID	OJ990716_04.0107.C1
Gene No.	37284	Strand	+
Start	1	End	2262
Name	OJ990716_04.0107.C1.o1.tc	Method	TBLASTX:Cress
Start	230	End	675
GI	none	Score	90
Exons	230..370, 230..358, 234..371, 240..371, 241..372, 340..570, 341..571, 607..675		

Seq. No.	17780	Seq. ID	OJ990716_04.0107.C1
Gene No.	37284	Strand	+
Start	1	End	2262
Name	OJ990716_04.0107.C1.o1.gs	Method	GENSCAN
Start	297	End	1332
GI	none	Score	.95
Exons	297..373, 552..1332		

Seq. No.	17781	Seq. ID	OJ990716_04.0107.C2
Gene No.	37285	Strand	+
Start	89	End	146
Name	OJ990716_04.0107.C2.o1.gp	Method	AAT/GAP
Start	89	End	146
GI	LIB3477-003-P1-K1-E9	Score	78
Exons	89..146		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	17782	Seq. ID	OJ990716_04.0107.C3
Gene No.	37286	Strand	-
Start	188	End	431
Name	OJ990716_04.0107.C3.o1.gs	Method	GENSCAN
Start	188	End	431
GI	none	Score	.42
Exons	188..431		

Seq. No.	17783	Seq. ID	OJ990716_04.0107.C4
Gene No.	37287	Strand	-
Start	1	End	495
Name	OJ990716_04.0107.C4.o1.gp	Method	AAT/GAP
Start	1	End	495
GI	342-1.R1084	Score	913
Exons	1..495		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	17783	Seq. ID	OJ990716_04.0107.C4
Gene No.	37287	Strand	-
Start	1	End	495
Name	OJ990716_04.0107.C4.o1.np	Method	AAT/NAP
Start	1	End	495
GI	4680203	Score	734
Exons	1..495		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17783	Seq. ID	OJ990716_04.0107.C4
Gene No.	37287	Strand	-
Start	1	End	495
Name	OJ990716_04.0107.C4.o1.gs	Method	GENSCAN
Start	7	End	417
GI	none	Score	.73
Exons	7..417		

Seq. No.	17783	Seq. ID	OJ990716_04.0107.C4
Gene No.	37287	Strand	-
Start	1	End	495
Name	OJ990716_04.0107.C4.o1.tw	Method	TBLASTX:Wheat
Start	34	End	376
GI	none	Score	287
Exons	34..375, 62..376		

Seq. No.	17783	Seq. ID	OJ990716_04.0107.C4
Gene No.	37287	Strand	-
Start	1	End	495

Name	OJ990716_04.0107.C4.o1.tm	Method	TBLASTX:Maize
Start	116	End	492
GI	none	Score	144
Exons	116..376, 118..399, 415..492		

Seq. No.	17783	Seq. ID	OJ990716_04.0107.C4
Gene No.	37287	Strand	-
Start	1	End	495
Name	OJ990716_04.0107.C4.o1.tc	Method	TBLASTX:Cress
Start	163	End	495
GI	none	Score	82
Exons	163..495, 182..319, 359..493		

Seq. No.	17783	Seq. ID	OJ990716_04.0107.C4
Gene No.	37287	Strand	-
Start	1	End	495
Name	OJ990716_04.0107.C4.o1.ts	Method	TBLASTX:Soybean
Start	244	End	489
GI	none	Score	121
Exons	244..489, 262..486		

Seq. No.	17784	Seq. ID	OJ990716_04.0107.C5
Gene No.	37288	Strand	-
Start	165	End	307
Name	OJ990716_04.0107.C5.o1.gp	Method	AAT/GAP
Start	165	End	307
GI	21474_1.R1084	Score	246
Exons	165..307		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17785	Seq. ID	OJ990716_04.0107.C6
Gene No.	37289	Strand	-
Start	1	End	1178
Name	OJ990716_04.0107.C6.o1.gs	Method	GENSCAN
Start	1	End	558
GI	none	Score	.77
Exons	1..558		

Seq. No.	17785	Seq. ID	OJ990716_04.0107.C6
Gene No.	37289	Strand	-
Start	1	End	1178
Name	OJ990716_04.0107.C6.o1.np	Method	AAT/NAP
Start	1	End	1178
GI	4680203	Score	505
Exons	1..558, 1131..1178		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17785	Seq. ID	OJ990716_04.0107.C6
Gene No.	37289	Strand	-
Start	1	End	1178
Name	OJ990716_04.0107.C6.o1.tw	Method	TBLASTX:Wheat
Start	9	End	207
GI	none	Score	94
Exons	9..107, 11..109, 19..117, 100..207		

Seq. No.	17785	Seq. ID	OJ990716_04.0107.C6

Gene No.	37289	Strand	-
Start	1	End	1178
Name	OJ990716_04.0107.C6.o1.gp	Method	AAT/GAP
Start	419	End	922
GI	2310235	Score	305
Exons	419..558, 885..922		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37290	Strand	+
Start	273	End	15774
Name	OJ990716_04.0107.C7.o1.gs	Method	GENSCAN
Start	273	End	12380
GI	none	Score	.51
Exons	273..803, 1055..1285, 1320..1408, 1643..1767, 2767..2957, 3157..3444, 4414..5864, 5919..6142, 6224..6304, 6383..6840, 7063..7465, 7663..10275, 10548..10657, 10794..10988, 11213..11396, 11554..11611, 11911..12183, 12323..12380		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37290	Strand	+
Start	273	End	15774
Name	OJ990716_04.0107.C7.o1.np	Method	AAT/NAP
Start	2966	End	15774
GI	6069653	Score	1048
Exons	2966..3202, 12910..14355, 14382..14802, 15695..15774		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37290	Strand	+
Start	273	End	15774
Name	OJ990716_04.0107.C7.o2.gs	Method	GENSCAN
Start	13094	End	14353
GI	none	Score	.72
Exons	13094..13586, 13686..14012, 14079..14353		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37291	Strand	-
Start	1335	End	1488
Name	OJ990716_04.0107.C7.o1.gp	Method	AAT/GAP
Start	1335	End	1488
GI	61605_3.R1084	Score	248
Exons	1335..1488		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37292	Strand	-
Start	2109	End	2845
Name	OJ990716_04.0107.C7.o3.gp	Method	AAT/GAP
Start	2109	End	2845
GI	101153_1.R1084	Score	381
Exons	2109..2339, 2800..2845		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o6.tm	Method	TBLASTX:Maize
Start	7917	End	8162
GI	none	Score	138
Exons	7917..8054, 8058..8162		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o4.tw	Method	TBLASTX:Wheat
Start	8001	End	8381
GI	none	Score	178
Exons	8001..8381		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o3.tm	Method	TBLASTX:Maize
Start	8373	End	8812
GI	none	Score	338
Exons	8373..8804, 8415..8543, 8531..8812		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o3.tw	Method	TBLASTX:Wheat
Start	8883	End	9218
GI	none	Score	87
Exons	8883..9023, 9012..9218		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o1.tm	Method	TBLASTX:Maize
Start	8964	End	9389
GI	none	Score	470
Exons	8964..9389, 8975..9388		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o2.tm	Method	TBLASTX:Maize
Start	9393	End	10006
GI	none	Score	404
Exons	9393..10004, 9393..9473, 9551..9655, 9731..10006		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o1.ts	Method	TBLASTX:Soybean
Start	9624	End	10163
GI	none	Score	179
Exons	9624..9974, 10035..10163		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7

Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o1.tw	Method	TBLASTX:Wheat
Start	9645	End	10085
GI	none	Score	252
Exons	9645..9947, 9647..9937, 9927..10085, 9992..10081		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o5.tm	Method	TBLASTX:Maize
Start	10023	End	10238
GI	none	Score	223
Exons	10023..10238, 10038..10202, 10040..10237		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o4.tm	Method	TBLASTX:Maize
Start	15282	End	15546
GI	none	Score	77
Exons	15282..15464, 15282..15464, 15283..15546, 15289..15468		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o2.tw	Method	TBLASTX:Wheat
Start	15334	End	15735
GI	none	Score	119
Exons	15334..15483, 15562..15735		

Seq. No.	17786	Seq. ID	OJ990716_04.0107.C7
Gene No.	37293	Strand	-
Start	15913	End	17428
Name	OJ990716_04.0107.C7.o3.gs	Method	GENSCAN
Start	15913	End	17428
GI	none	Score	.62
Exons	15913..16052, 16658..16732, 17239..17428		

Seq. No.	17787	Seq. ID	OJ990716_04.0107.C8
Gene No.	37294	Strand	+
Start	162	End	632
Name	OJ990716_04.0107.C8.o1.gs	Method	GENSCAN
Start	162	End	632
GI	none	Score	.84
Exons	162..336, 487..632		

Seq. No.	17787	Seq. ID	OJ990716_04.0107.C8
Gene No.	37295	Strand	+
Start	1304	End	4753
Name	OJ990716_04.0107.C8.o2.gs	Method	GENSCAN
Start	1304	End	4753
GI	none	Score	.51
Exons	1304..1319, 1569..1836, 1841..1941, 3280..3348, 3834..4040, 4605..4753		

Seq. No.	17787	Seq. ID	OJ990716_04.0107.C8

Gene No.	37296	Strand	+
Start	5733	End	8737
Name	OJ990716_04.0107.C8.o3.gs	Method	GENSCAN
Start	5733	End	8028
GI	none	Score	.76
Exons	5733..5811, 7453..7505, 7825..8028		

Seq. No.	17787	Seq. ID	OJ990716_04.0107.C8
Gene No.	37296	Strand	+
Start	5733	End	8737
Name	OJ990716_04.0107.C8.o1.tm	Method	TBLASTX:Maize
Start	7864	End	8648
GI	none	Score	207
Exons	7864..8028, 7865..8029, 7911..8030, 8511..8648, 8522..8647		

Seq. No.	17787	Seq. ID	OJ990716_04.0107.C8
Gene No.	37296	Strand	+
Start	5733	End	8737
Name	OJ990716_04.0107.C8.o1.np	Method	AAT/NAP
Start	7868	End	8737
GI	6665549	Score	484
Exons	7868..8028, 8530..8737		
GI Descrip.	(AC013289) putative cullin [Arabidopsis thaliana]		

Seq. No.	17787	Seq. ID	OJ990716_04.0107.C8
Gene No.	37296	Strand	+
Start	5733	End	8737
Name	OJ990716_04.0107.C8.o1.tc	Method	TBLASTX:Cress
Start	7879	End	8641
GI	none	Score	215
Exons	7879..8028, 7880..8029, 8497..8634, 8522..8641, 8527..8637		

Seq. No.	17787	Seq. ID	OJ990716_04.0107.C8
Gene No.	37296	Strand	+
Start	5733	End	8737
Name	OJ990716_04.0107.C8.o2.ts	Method	TBLASTX:Soybean
Start	7879	End	8030
GI	none	Score	225
Exons	7879..8028, 7880..8029, 7904..8029, 7905..8030		

Seq. No.	17787	Seq. ID	OJ990716_04.0107.C8
Gene No.	37296	Strand	+
Start	5733	End	8737
Name	OJ990716_04.0107.C8.o1.ts	Method	TBLASTX:Soybean
Start	8524	End	8737
GI	none	Score	293
Exons	8524..8736, 8528..8737		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37297	Strand	+
Start	1	End	1629
Name	OJ990716_04.0107.C9.o1.np	Method	AAT/NAP
Start	1	End	1626
GI	4262186	Score	2317
Exons	1..1626		
GI Descrip.	(AC005508) Highly similar to cullin 3 [Arabidopsis thaliana]		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37297	Strand	+
Start	1	End	1629
Name	OJ990716_04.0107.C9.o1.gs	Method	GENSCAN
Start	134	End	1629
GI	none	Score	.96
Exons	134..525, 549..1629		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37298	Strand	+
Start	2546	End	3112
Name	OJ990716_04.0107.C9.o2.gs	Method	GENSCAN
Start	2546	End	3112
GI	none	Score	.92
Exons	2546..3112		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37299	Strand	+
Start	3962	End	4249
Name	OJ990716_04.0107.C9.o3.gs	Method	GENSCAN
Start	3962	End	4249
GI	none	Score	.64
Exons	3962..4249		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37300	Strand	+
Start	12874	End	13281
Name	OJ990716_04.0107.C9.o5.gp	Method	AAT/GAP
Start	12874	End	13281
GI	none	Score	735
Exons	12874..13281		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37301	Strand	-
Start	1196	End	1688
Name	OJ990716_04.0107.C9.o1.gp	Method	AAT/GAP
Start	1196	End	1688
GI	2799005	Score	820
Exons	1196..1688		
GI Descrip.	4262186/gb\|AAD14503\| 5.0e-47 (AC005508) Highly similar to cullin 3 [Arabidopsis thaliana]		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o4.tc	Method	TBLASTX:Cress
Start	1	End	184
GI	none	Score	98
Exons	1..120, 1..93, 2..184, 2..184		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o4.tm	Method	TBLASTX:Maize
Start	2	End	232
GI	none	Score	303
Exons	2..232, 7..228		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o1.tm	Method	TBLASTX:Maize
Start	241	End	1676
GI	none	Score	387
Exons	241..534, 242..538, 478..660, 538..885, 540..866, 650..880, 859..1632, 874..1359, 888..1676, 906..1625, 1399..1632		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o5.ts	Method	TBLASTX:Soybean
Start	265	End	454
GI	none	Score	228
Exons	265..453, 266..454		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o3.tc	Method	TBLASTX:Cress
Start	346	End	599
GI	none	Score	280
Exons	346..537, 347..538, 352..540, 417..539, 538..597, 540..599		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o1.ts	Method	TBLASTX:Soybean
Start	473	End	1270
GI	none	Score	99
Exons	473..538, 475..537, 484..540, 538..606, 549..605, 597..863, 601..864, 677..889, 880..1263, 902..1270, 906..1256		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o3.tw	Method	TBLASTX:Wheat
Start	793	End	1242
GI	none	Score	68
Exons	793..915, 847..1080, 1099..1242		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o1.tc	Method	TBLASTX:Cress
Start	818	End	1279
GI	none	Score	52
Exons	818..865, 819..866, 820..867, 880..1269, 899..1279, 918..1253		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o3.ts	Method	TBLASTX:Soybean
Start	1272	End	1635
GI	none	Score	138

Exons	1272..1628, 1273..1635, 1344..1634		
Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o2.tc	Method	TBLASTX:Cress
Start	1351	End	1665
GI	none	Score	402
Exons	1351..1629, 1353..1625, 1396..1665		
Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o2.tw	Method	TBLASTX:Wheat
Start	1374	End	1641
GI	none	Score	212
Exons	1374..1625, 1381..1641		
Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o2.gp	Method	AAT/GAP
Start	4508	End	5071
GI	LIB3434-030-P1-K1-E6	Score	662
Exons	4508..4612, 4822..5071		
GI Descrip.	'3461817 4.0e-35 (AC004138) unknown protein [Arabidopsis thaliana]'		
Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o2.np	Method	AAT/NAP
Start	4529	End	11925
GI	5916445	Score	1024
Exons	4529..4612, 4822..5000, 5085..5341, 5708..5919, 6187..6549, 8068..8216, 11834..11925		
GI Descrip.	(AC007633) putative protein [Arabidopsis thaliana]		
Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o3.tm	Method	TBLASTX:Maize
Start	4559	End	6534
GI	none	Score	165
Exons	4559..4615, 4820..4999, 4822..5001, 4822..4998, 5084..5302, 5086..5343, 5087..5344, 5716..5907, 5717..5908, 5718..5921, 6199..6303, 6271..6411, 6316..6534		
Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o6.ts	Method	TBLASTX:Soybean
Start	4571	End	4962
GI	none	Score	143
Exons	4571..4615, 4820..4960, 4822..4962		
Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9

Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o1.tw	Method	TBLASTX:Wheat
Start	4885	End	5754
GI	none	Score	86
Exons	4885..5004, 4889..5002, 5116..5346, 5129..5344, 5716..5754		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o6.tc	Method	TBLASTX:Cress
Start	4921	End	5343
GI	none	Score	90
Exons	4921..5004, 5116..5343, 5132..5326		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o4.gs	Method	GENSCAN
Start	5059	End	8969
GI	none	Score	.67
Exons	5059..5341, 5708..5919, 6187..6542, 7148..7200, 7901..8153, 8882..8969		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o4.ts	Method	TBLASTX:Soybean
Start	5230	End	6375
GI	none	Score	107
Exons	5230..5349, 5243..5359, 5705..5908, 5710..5907, 6184..6375, 6199..6375		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o5.tc	Method	TBLASTX:Cress
Start	5725	End	6409
GI	none	Score	151
Exons	5725..5922, 5735..5908, 6145..6300, 6201..6302, 6319..6408, 6320..6409		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o3.gp	Method	AAT/GAP
Start	6477	End	8157
GI	none	Score	876
Exons	6477..6542, 7148..7200, 7307..7400, 7901..8157		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o5.gs	Method	GENSCAN
Start	10114	End	15964
GI	none	Score	.69
Exons	10114..10680, 11492..11594, 11812..12081, 12901..12955,		

13018..13259, 15296..15738, 15848..15964

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o3.np	Method	AAT/NAP
Start	10132	End	11722
GI	6665552	Score	944
Exons	10132..10680, 11492..11722		
GI Descrip.	(AC013289) putative sterol desaturase [Arabidopsis thaliana]		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o2.ts	Method	TBLASTX:Soybean
Start	10133	End	11611
GI	none	Score	141
Exons	10133..10273, 10147..10671, 10319..10642, 11487..11603, 11489..11611		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o2.tm	Method	TBLASTX:Maize
Start	10177	End	10596
GI	none	Score	508
Exons	10177..10596, 10196..10594		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o4.gp	Method	AAT/GAP
Start	10583	End	11857
GI	4879612	Score	849
Exons	10583..10680, 11492..11857		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o4.np	Method	AAT/NAP
Start	14077	End	15964
GI	2702273	Score	66
Exons	14077..14097, 15845..15964		
GI Descrip.	(AC003033) unknown protein [Arabidopsis thaliana]		

Seq. No.	17788	Seq. ID	OJ990716_04.0107.C9
Gene No.	37302	Strand	-
Start	4508	End	15969
Name	OJ990716_04.0107.C9.o5.tm	Method	TBLASTX:Maize
Start	15525	End	15969
GI	none	Score	61
Exons	15525..15605, 15529..15606, 15529..15606, 15610..15738, 15692..15739, 15845..15964, 15846..15965, 15847..15969, 15847..15969		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37303	Strand	+

Start	10122	End	10438
Name	OJ990716_04.0107.C10.o2.gp	Method	AAT/GAP
Start	10122	End	10438
GI	none	Score	630
Exons	10122..10438		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37304	Strand	+
Start	12970	End	19730
Name	OJ990716_04.0107.C10.o6.gs	Method	GENSCAN
Start	12970	End	19730
GI	none	Score	.6
Exons	12970..13124, 13567..13609, 13905..13976, 15844..15919, 16213..16325, 16662..16693, 16804..16857, 17834..17951, 18089..18230, 18577..18794, 19107..19208, 19538..19577, 19606..19730		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37305	Strand	+
Start	29396	End	29606
Name	OJ990716_04.0107.C10.o8.gs	Method	GENSCAN
Start	29396	End	29606
GI	none	Score	.95
Exons	29396..29485, 29490..29606		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37306	Strand	+
Start	35226	End	35489
Name	OJ990716_04.0107.C10.o9.gs	Method	GENSCAN
Start	35226	End	35489
GI	none	Score	.56
Exons	35226..35489		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37307	Strand	+
Start	38168	End	41793
Name	OJ990716_04.0107.C10.o7.np	Method	AAT/NAP
Start	38127	End	41052
GI	6056208	Score	1104
Exons	38127..38518, 38612..38674, 38993..39103, 39399..39467, 39553..39618, 40337..40411, 40497..40595, 40688..40822, 40918..41052		
GI Descrip.	(AC009400) putative ATPase [Arabidopsis thaliana]		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37307	Strand	+
Start	38168	End	41793
Name	OJ990716_04.0107.C10.o10.gs	Method	GENSCAN
Start	38168	End	41793
GI	none	Score	.73
Exons	38168..38566, 38612..38674, 38993..39103, 39244..39318, 39375..39467, 39553..39618, 40337..40411, 40497..40595, 40688..40822, 41689..41793		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37308	Strand	-
Start	1	End	4509

Name	OJ990716_04.0107.C10.o2.np	Method	AAT/NAP
Start	1	End	4509
GI	6815067	Score	55
Exons	1..55, 4377..4509		
GI Descrip.	(AP001080) ESTs AU082210(C53655),AU056546(S20671), AU056545(S20671) correspond to a region of the predicted gene.; Similar to putative RNA-binding protein (AC004261) [Oryza sativa]		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37308	Strand	-
Start	1	End	4509
Name	OJ990716_04.0107.C10.o1.np	Method	AAT/NAP
Start	300	End	3997
GI	2702273	Score	182
Exons	300..368, 2162..2433, 3950..3997		
GI Descrip.	(AC003033) unknown protein [Arabidopsis thaliana]		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37308	Strand	-
Start	1	End	4509
Name	OJ990716_04.0107.C10.o1.gs	Method	GENSCAN
Start	1992	End	2799
GI	none	Score	.95
Exons	1992..2020, 2128..2140, 2200..2799		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37308	Strand	-
Start	1	End	4509
Name	OJ990716_04.0107.C10.o1.gp	Method	AAT/GAP
Start	2911	End	3461
GI	none	Score	160
Exons	2911..2931, 3357..3461		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37308	Strand	-
Start	1	End	4509
Name	OJ990716_04.0107.C10.o2.gs	Method	GENSCAN
Start	3101	End	4121
GI	none	Score	.89
Exons	3101..3321, 3835..3985, 4032..4121		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37309	Strand	-
Start	7767	End	13176
Name	OJ990716_04.0107.C10.o4.gs	Method	GENSCAN
Start	7767	End	9345
GI	none	Score	.96
Exons	7767..8045, 8143..9345		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37309	Strand	-
Start	7767	End	13176
Name	OJ990716_04.0107.C10.o3.np	Method	AAT/NAP
Start	7770	End	10864
GI	6850880	Score	721
Exons	7770..8045, 8143..8997, 9190..9338, 10654..10864		

GI Descrip. (AL137898) putative protein [Arabidopsis thaliana]

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37309	Strand	-
Start	7767	End	13176
Name	OJ990716_04.0107.C10.o4.np	Method	AAT/NAP
Start	8631	End	13176
GI	4262176	Score	736
Exons	8631..8878, 11509..11642, 11961..12264, 12990..13176		
GI Descrip.	(AC005508) 18857 [Arabidopsis thaliana]		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37309	Strand	-
Start	7767	End	13176
Name	OJ990716_04.0107.C10.o5.gs	Method	GENSCAN
Start	10974	End	12041
GI	none	Score	.79
Exons	10974..11516, 11961..12041		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37310	Strand	-
Start	13162	End	13561
Name	OJ990716_04.0107.C10.o3.gp	Method	AAT/GAP
Start	13162	End	13561
GI	287082	Score	762
Exons	13162..13561		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o5.tm	Method	TBLASTX:Maize
Start	2195	End	2451
GI	none	Score	195
Exons	2195..2422, 2197..2427, 2317..2451		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o2.tw	Method	TBLASTX:Wheat
Start	7765	End	8000
GI	none	Score	116
Exons	7765..7881, 7776..7970, 7776..8000, 7777..7995		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o1.tc	Method	TBLASTX:Cress
Start	7767	End	8010
GI	none	Score	110
Exons	7767..8009, 7770..8006, 7774..8010		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o1.ts	Method	TBLASTX:Soybean
Start	7767	End	9073
GI	none	Score	198

Exons	7767..8009, 7774..8007, 8004..8045, 8158..8364, 8171..8374, 8173..8460, 8422..8463, 8476..8565, 8492..8566, 8587..8637, 8704..8733, 8900..9073, 8902..9027		
Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o3.tm	Method	TBLASTX:Maize
Start	7776	End	8048
GI	none	Score	210
Exons	7776..8009, 7777..8007, 7809..8009, 8004..8048		
Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o4.tw	Method	TBLASTX:Wheat
Start	8146	End	8469
GI	none	Score	90
Exons	8146..8361, 8189..8380, 8368..8469, 8422..8469		
Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o3.tc	Method	TBLASTX:Cress
Start	8158	End	8617
GI	none	Score	82
Exons	8158..8301, 8159..8329, 8358..8390, 8422..8463, 8485..8616, 8492..8617		
Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o4.tm	Method	TBLASTX:Maize
Start	8272	End	8934
GI	none	Score	112
Exons	8272..8472, 8272..8364, 8422..8463, 8476..8583, 8581..8637, 8594..8728, 8704..8736, 8794..8934		
Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o6.tm	Method	TBLASTX:Maize
Start	12021	End	13038
GI	none	Score	73
Exons	12021..12056, 12053..12127, 12134..12244, 12134..12262, 12144..12260, 12988..13038		
Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o3.ts	Method	TBLASTX:Soybean
Start	12024	End	13206
GI	none	Score	35
Exons	12024..12056, 12025..12054, 12053..12121, 12090..12122, 12128..12250, 12132..12251, 12132..12266, 12983..13126, 12985..13206		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o3.tw	Method	TBLASTX:Wheat
Start	12024	End	12251
GI	none	Score	76
Exons	12024..12056, 12053..12115, 12134..12250, 12138..12251		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o4.tc	Method	TBLASTX:Cress
Start	12024	End	13126
GI	none	Score	129
Exons	12024..12056, 12053..12259, 12096..12251, 12976..13125, 12986..13126		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o7.gs	Method	GENSCAN
Start	20274	End	27697
GI	none	Score	.63
Exons	20274..20493, 23013..23176, 23204..23305, 24607..24865, 25215..25276, 25381..25575, 25745..25875, 26002..26074, 27181..27405, 27548..27697		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o5.np	Method	AAT/NAP
Start	20449	End	23089
GI	4539658	Score	66
Exons	20449..20493, 22963..23089		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o4.gp	Method	AAT/GAP
Start	20534	End	20920
GI	uC-osflcyp172d03a1	Score	774
Exons	20534..20920		
GI Descrip.	'5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o5.gp	Method	AAT/GAP
Start	24645	End	27818
GI	13283_3.R1084	Score	1827
Exons	24645..24865, 25215..25276, 25381..25575, 27181..27405, 27548..27818		
GI Descrip.	'4262186/gb\|AAD14503\| 5.0e-47 (AC005508) Highly similar to cullin 3 [Arabidopsis thaliana]'		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o4.ts	Method	TBLASTX:Soybean
Start	24664	End	27408
GI	none	Score	102
Exons	24664..24861, 24668..24862, 25209..25274, 25214..25273, 25382..25579, 25414..25578, 27178..27348, 27188..27352, 27343..27408		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o6.np	Method	AAT/NAP
Start	24670	End	29448
GI	4538967	Score	388
Exons	24670..24865, 25215..25276, 25381..25575, 27181..27396, 29426..29448		
GI Descrip.	(AL049488) major intrinsic protein (MIP)-like [Arabidopsis thaliana]		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o1.tm	Method	TBLASTX:Maize
Start	24733	End	27686
GI	none	Score	139
Exons	24733..24864, 24734..24865, 24734..24868, 24736..24882, 25189..25278, 25195..25278, 25196..25303, 25362..25397, 25378..25590, 25379..25429, 25414..25590, 27178..27408, 27179..27406, 27283..27408, 27534..27686, 27596..27685		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o1.tw	Method	TBLASTX:Wheat
Start	25231	End	27253
GI	none	Score	71
Exons	25231..25305, 25232..25276, 25378..25590, 25379..25429, 25414..25590, 27178..27252, 27179..27253		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37311	Strand	-
Start	20274	End	29448
Name	OJ990716_04.0107.C10.o5.tw	Method	TBLASTX:Wheat
Start	27254	End	27686
GI	none	Score	192
Exons	27254..27406, 27255..27356, 27256..27408, 27256..27408, 27539..27616, 27545..27604, 27549..27686, 27596..27685		

Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37312	Strand	
Start	38363	End	39106
Name	OJ990716_04.0107.C10.o2.tc	Method	TBLASTX:Cress
Start	38363	End	39106
GI	none	Score	265

Exons	38363..38518, 38413..38514, 38608..38673, 38612..38677, 38987..39106, 38992..39102, 38993..39103		
Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37312	Strand	
Start	38363	End	39106
Name	OJ990716_04.0107.C10.o7.tm	Method	TBLASTX:Maize
Start	38363	End	38509
GI	none	Score	195
Exons	38363..38509, 38365..38508		
Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37313	Strand	
Start	40365	End	41057
Name	OJ990716_04.0107.C10.o2.tm	Method	TBLASTX:Maize
Start	40365	End	40959
GI	none	Score	67
Exons	40365..40412, 40366..40422, 40366..40419, 40486..40557, 40496..40597, 40497..40598, 40687..40824, 40688..40822, 40688..40828, 40915..40959, 40915..40959		
Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37313	Strand	
Start	40365	End	41057
Name	OJ990716_04.0107.C10.o5.tc	Method	TBLASTX:Cress
Start	40741	End	41057
GI	none	Score	114
Exons	40741..40824, 40742..40822, 40914..41057, 40915..41055		
Seq. No.	17789	Seq. ID	OJ990716_04.0107.C10
Gene No.	37313	Strand	
Start	40365	End	41057
Name	OJ990716_04.0107.C10.o2.ts	Method	TBLASTX:Soybean
Start	40751	End	41057
GI	none	Score	119
Exons	40751..40822, 40753..40824, 40753..40824, 40911..41057, 40915..41055		
Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37314	Strand	+
Start	387	End	2278
Name	OJ990716_04.0107.C11.o1.gs	Method	GENSCAN
Start	387	End	2278
GI	none	Score	.92
Exons	387..488, 802..912, 1117..1199, 1304..1650, 2093..2278		
Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37315	Strand	+
Start	8129	End	8698
Name	OJ990716_04.0107.C11.o5.gs	Method	GENSCAN
Start	8129	End	8698
GI	none	Score	1
Exons	8129..8698		
Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37316	Strand	-
Start	2993	End	9313

Name	OJ990716_04.0107.C11.o1.gp	Method	AAT/GAP
Start	2637	End	3583
GI	9605_1.R1084	Score	1644
Exons	2637..3434, 3520..3583		
GI Descrip.	'3202030 9.0e-78 (AF069318) geranylgeranyl hydrogenase [Mesembryanthemum crystallinum]'		

Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37316	Strand	-
Start	2993	End	9313
Name	OJ990716_04.0107.C11.o1.tm	Method	TBLASTX:Maize
Start	2967	End	5047
GI	none	Score	601
Exons	2967..3014, 2985..3431, 3002..3430, 3508..3972, 3513..3980, 4624..4911, 4625..4900, 4978..5034, 4994..5047, 4997..5047		

Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37316	Strand	-
Start	2993	End	9313
Name	OJ990716_04.0107.C11.o2.gs	Method	GENSCAN
Start	2993	End	3992
GI	none	Score	.98
Exons	2993..3428, 3514..3992		

Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37316	Strand	-
Start	2993	End	9313
Name	OJ990716_04.0107.C11.o1.ts	Method	TBLASTX:Soybean
Start	2994	End	4911
GI	none	Score	229
Exons	2994..3290, 3002..3289, 3290..3430, 3297..3440, 3499..3618, 3513..3890, 3514..3906, 3882..3980, 4633..4911, 4718..4900		

Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37316	Strand	-
Start	2993	End	9313
Name	OJ990716_04.0107.C11.o1.np	Method	AAT/NAP
Start	2996	End	9313
GI	4733939	Score	1729
Exons	2996..3428, 3514..3969, 4634..5035, 9213..9313		
GI Descrip.	(AF068686) geranylgeranyl hydrogenase [Glycine max]		

Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37316	Strand	-
Start	2993	End	9313
Name	OJ990716_04.0107.C11.o1.tc	Method	TBLASTX:Cress
Start	3000	End	4911
GI	none	Score	396
Exons	3000..3416, 3002..3430, 3513..3896, 3514..3897, 3882..3980, 4633..4911, 4718..4900		

Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37316	Strand	-
Start	2993	End	9313
Name	OJ990716_04.0107.C11.o3.gs	Method	GENSCAN
Start	4534	End	5133
GI	none	Score	.77

Exons	4534..5133		
Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37316	Strand	-
Start	2993	End	9313
Name	OJ990716_04.0107.C11.o2.gp	Method	AAT/GAP
Start	4732	End	5196
GI	24623_1.R1084	Score	898
Exons	4732..5196		
GI Descrip.	'3202030 1.0e-26 (AF069318) geranylgeranyl hydrogenase [Mesembryanthemum crystallinum]'		
Seq. No.	17790	Seq. ID	OJ990716_04.0107.C11
Gene No.	37316	Strand	-
Start	2993	End	9313
Name	OJ990716_04.0107.C11.o4.gs	Method	GENSCAN
Start	6283	End	6773
GI	none	Score	.93
Exons	6283..6356, 6764..6773		
Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37317	Strand	+
Start	494	End	13254
Name	OJ990716_04.0107.C12.o1.gs	Method	GENSCAN
Start	494	End	13254
GI	none	Score	.74
Exons	494..560, 1030..1120, 2694..2848, 3121..3265, 3325..3359, 3820..4021, 4423..4798, 4922..4986, 5410..5487, 5583..5693, 6990..7642, 7659..7943, 9425..9833, 10166..10198, 10297..10549, 11450..11560, 11668..11804, 11916..12029, 12177..12376, 12470..12658, 13191..13254		
Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37317	Strand	+
Start	494	End	13254
Name	OJ990716_04.0107.C12.o1.np	Method	AAT/NAP
Start	3743	End	7944
GI	2655031	Score	2479
Exons	3743..4021, 4414..4798, 4922..4986, 5410..5487, 5583..5693, 5792..5836, 6316..6489, 6990..7944		
GI Descrip.	(AF019297) starch synthase isoform zSTSII-2 [Zea mays]		
Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37317	Strand	+
Start	494	End	13254
Name	OJ990716_04.0107.C12.o1.gp	Method	AAT/GAP
Start	3874	End	4721
GI	uC-osflM202062g01b1	Score	826
Exons	3874..4021, 4423..4721		
GI Descrip.	'5441877/dbj\|BAA82375.1\| 1.0e-13 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]'		
Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37317	Strand	+
Start	494	End	13254
Name	OJ990716_04.0107.C12.o2.gp	Method	AAT/GAP

Start	8325	End	8785
GI	3761750	Score	807
Exons	8325..8785		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37317	Strand	+
Start	494	End	13254
Name	OJ990716_04.0107.C12.o2.np	Method	AAT/NAP
Start	9648	End	12908
GI	6730659	Score	1256
Exons	9648..9833, 10100..10198, 10297..10549, 11450..11560, 11668..11804, 11916..12029, 12177..12376, 12470..12658, 12749..12908		
GI Descrip.	(AC007945) F28C11.9 [Arabidopsis thaliana]		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37317	Strand	+
Start	494	End	13254
Name	OJ990716_04.0107.C12.o3.gp	Method	AAT/GAP
Start	12502	End	12830
GI	2796587	Score	430
Exons	12502..12658, 12749..12830		
GI Descrip.	5441877/dbj\|BAA82375.1\| 1.0e-13 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37318	Strand	+
Start	22975	End	26665
Name	OJ990716_04.0107.C12.o4.gs	Method	GENSCAN
Start	22975	End	26665
GI	none	Score	.58
Exons	22975..22980, 26454..26514, 26541..26665		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37319	Strand	-
Start	10268	End	15723
Name	OJ990716_04.0107.C12.o3.np	Method	AAT/NAP
Start	10268	End	15723
GI	6041804	Score	50
Exons	10268..10286, 14470..14592, 15701..15723		
GI Descrip.	(AC009755) putative protein kinase [Arabidopsis thaliana] gi\|6513945\|gb\|AAF14849.1\|AC011664_31 (AC011664) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37319	Strand	-
Start	10268	End	15723
Name	OJ990716_04.0107.C12.o4.np	Method	AAT/NAP
Start	10655	End	15126
GI	6721502	Score	106
Exons	10655..10777, 14923..15126		
GI Descrip.	(AP001072) Similar to chromaffin granule ATPase II homolog. (U75321) [Oryza sativa]		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37319	Strand	-
Start	10268	End	15723

Name	OJ990716_04.0107.C12.o4.gp	Method	AAT/GAP
Start	13102	End	13255
GI	uC-osflcyp084e03a1	Score	206
Exons	13102..13255		
GI Descrip.	'5441877/dbj\|BAA82375.1\| 1.0e-13 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]'		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37320	Strand	-
Start	19408	End	20014
Name	OJ990716_04.0107.C12.o5.gp	Method	AAT/GAP
Start	19408	End	20014
GI	6012874	Score	1002
Exons	19408..19429, 19490..20014		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37321	Strand	-
Start	19952	End	21075
Name	OJ990716_04.0107.C12.o3.gs	Method	GENSCAN
Start	19952	End	21017
GI	none	Score	.91
Exons	19952..20261, 20358..20679, 20774..21017		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37321	Strand	-
Start	19952	End	21075
Name	OJ990716_04.0107.C12.o5.np	Method	AAT/NAP
Start	19955	End	20867
GI	1041702	Score	913
Exons	19955..20261, 20358..20679, 20774..20867		
GI Descrip.	(U30476) expansin At-EXP1 [Arabidopsis thaliana]		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37321	Strand	-
Start	19952	End	21075
Name	OJ990716_04.0107.C12.o6.gp	Method	AAT/GAP
Start	20554	End	21075
GI	76629_1.R1084	Score	746
Exons	20554..20679, 20774..21075		
GI Descrip.	'4454483/gb\|AAD20930\| 5.0e-11 (AC006234) putative kinase, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o5.ts	Method	TBLASTX:Soybean
Start	4728	End	7064
GI	none	Score	102
Exons	4728..4799, 4729..4800, 4920..4988, 4920..4997, 4921..5004, 5409..5483, 5410..5487, 5579..5665, 5580..5690, 5789..5848, 5791..5838, 6308..6478, 6313..6489, 6315..6500, 6315..6482, 6987..7064, 6989..7063		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857

Name	OJ990716_04.0107.C12.o7.tm	Method	TBLASTX:Maize
Start	5452	End	6434
GI	none	Score	54
Exons	5452..5487, 5453..5488, 5454..5489, 5580..5690, 5581..5691, 5581..5691, 5582..5713, 5790..5825, 5791..5838, 5792..5839, 6308..6400, 6310..6432, 6313..6399, 6315..6434		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o2.tm	Method	TBLASTX:Maize
Start	6435	End	7535
GI	none	Score	77
Exons	6435..6482, 6436..6489, 6986..7498, 6987..7535, 7371..7535		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o2.tc	Method	TBLASTX:Cress
Start	7362	End	7920
GI	none	Score	343
Exons	7362..7670, 7391..7669, 7672..7761, 7677..7760, 7744..7920		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o2.ts	Method	TBLASTX:Soybean
Start	7386	End	7962
GI	none	Score	443
Exons	7386..7670, 7394..7669, 7398..7676, 7677..7955, 7678..7962		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o3.tm	Method	TBLASTX:Maize
Start	7586	End	7950
GI	none	Score	146
Exons	7586..7669, 7587..7670, 7587..7709, 7677..7949, 7678..7950		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o6.tm	Method	TBLASTX:Maize
Start	9494	End	10195
GI	none	Score	260
Exons	9494..9742, 9495..9749, 9681..9749, 9690..9857, 9720..9833, 9793..9834, 10093..10185, 10097..10195, 10097..10195		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o3.tc	Method	TBLASTX:Cress
Start	9558	End	11984
GI	none	Score	136
Exons	9558..9752, 9756..9857, 10097..10198, 10108..10197, 10294..10557, 10302..10547, 11442..11564, 11449..11562, 11666..11794, 11667..11807, 11700..11807, 11913..11984,		

11915..11983

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o3.ts	Method	TBLASTX:Soybean
Start	9771	End	11744
GI	none	Score	94
Exons	9771..9857, 9791..9850, 9793..9876, 10100..10198, 10108..10200, 10294..10539, 10296..10538, 11448..11501, 11449..11514, 11518..11562, 11520..11564, 11666..11713, 11667..11744		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o4.tm	Method	TBLASTX:Maize
Start	10354	End	12899
GI	none	Score	245
Exons	10354..10548, 10356..10547, 11439..11579, 11449..11562, 11666..11794, 11667..11807, 11907..12017, 11911..12009, 11912..12043, 11913..12029, 12135..12377, 12176..12394, 12270..12377, 12467..12628, 12468..12620, 12747..12899, 12747..12857		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o4.ts	Method	TBLASTX:Soybean
Start	11916	End	12899
GI	none	Score	148
Exons	11916..12029, 11918..12028, 12174..12212, 12176..12382, 12270..12377, 12467..12652, 12468..12653, 12747..12899		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o1.tw	Method	TBLASTX:Wheat
Start	11961	End	12604
GI	none	Score	67
Exons	11961..12029, 12270..12377, 12416..12457, 12468..12602, 12497..12604		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o4.tc	Method	TBLASTX:Cress
Start	12270	End	12899
GI	none	Score	102
Exons	12270..12377, 12468..12635, 12470..12682, 12747..12899		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o1.ts	Method	TBLASTX:Soybean
Start	19952	End	20829
GI	none	Score	143
Exons	19952..20125, 19959..20114, 20132..20263, 20187..20264,		

20199..20279, 20357..20533, 20364..20534, 20561..20680,
20583..20681, 20772..20828, 20773..20829

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o1.tc	Method	TBLASTX:Cress
Start	19956	End	20828
GI	none	Score	85
Exons	19956..20126, 19958..20128, 20183..20263, 20184..20282, 20357..20521, 20358..20522, 20525..20680, 20526..20681, 20772..20828, 20773..20814		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o1.tm	Method	TBLASTX:Maize
Start	19958	End	20829
GI	none	Score	166
Exons	19958..20125, 19959..20126, 20183..20266, 20184..20270, 20199..20267, 20327..20536, 20328..20537, 20549..20680, 20550..20681, 20772..20828, 20773..20829		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o6.gs	Method	GENSCAN
Start	29087	End	29857
GI	none	Score	.83
Exons	29087..29280, 29839..29857		

Seq. No.	17791	Seq. ID	OJ990716_04.0107.C12
Gene No.	37322	Strand	-
Start	29087	End	29857
Name	OJ990716_04.0107.C12.o5.tm	Method	TBLASTX:Maize
Start	29129	End	29482
GI	none	Score	158
Exons	29129..29287, 29130..29282, 29135..29287, 29380..29463, 29393..29482		

Seq. No.	17792	Seq. ID	OJ990716_04.0107.C13
Gene No.	37323	Strand	-
Start	1	End	417
Name	OJ990716_04.0107.C13.o1.np	Method	AAT/NAP
Start	1	End	417
GI	4454011	Score	193
Exons	1..117, 194..291, 384..417		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	17792	Seq. ID	OJ990716_04.0107.C13
Gene No.	37323	Strand	-
Start	1	End	417
Name	OJ990716_04.0107.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	297
GI	none	Score	167
Exons	1..123, 5..133, 193..222, 226..297, 231..281		

Seq. No.	17793	Seq. ID	OJ990616_08.0103.C1
Gene No.	37324	Strand	+
Start	1046	End	1534
Name	OJ990616_08.0103.C1.o1.gs	Method	GENSCAN
Start	1046	End	1534
GI	none	Score	.78
Exons	1046..1534		

Seq. No.	17793	Seq. ID	OJ990616_08.0103.C1
Gene No.	37325	Strand	-
Start	2293	End	2535
Name	OJ990616_08.0103.C1.o2.gs	Method	GENSCAN
Start	2293	End	2535
GI	none	Score	.58
Exons	2293..2535		

Seq. No.	17794	Seq. ID	OJ990616_08.0103.C2
Gene No.	37326	Strand	-
Start	517	End	706
Name	OJ990616_08.0103.C2.o1.gs	Method	GENSCAN
Start	517	End	706
GI	none	Score	.93
Exons	517..706		

Seq. No.	17795	Seq. ID	OJ990616_08.0103.C3
Gene No.	37327	Strand	+
Start	147	End	280
Name	OJ990616_08.0103.C3.o1.np	Method	AAT/NAP
Start	147	End	280
GI	6006381	Score	108
Exons	147..280		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	17796	Seq. ID	OJ990616_08.0103.C5
Gene No.	37328	Strand	-
Start	355	End	870
Name	OJ990616_08.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	323	End	556
GI	none	Score	144
Exons	323..439, 342..446, 345..446, 446..523, 449..505, 507..545, 512..556, 517..552		

Seq. No.	17796	Seq. ID	OJ990616_08.0103.C5
Gene No.	37328	Strand	-
Start	355	End	870
Name	OJ990616_08.0103.C5.o1.gs	Method	GENSCAN
Start	355	End	870
GI	none	Score	.55
Exons	355..508, 804..870		

Seq. No.	17796	Seq. ID	OJ990616_08.0103.C5
Gene No.	37328	Strand	-
Start	355	End	870
Name	OJ990616_08.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	398	End	639
GI	none	Score	157
Exons	398..442, 517..639		

Seq. No.	17797	Seq. ID	OJ990616_08.0103.C8
Gene No.	37329	Strand	-
Start	1	End	732
Name	OJ990616_08.0103.C8.o1.gp	Method	AAT/GAP
Start	1	End	732
GI	342_1.R1084	Score	1294
Exons	1..732		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	17797	Seq. ID	OJ990616_08.0103.C8
Gene No.	37329	Strand	-
Start	1	End	732
Name	OJ990616_08.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	732
GI	4680203	Score	782
Exons	1..732		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17797	Seq. ID	OJ990616_08.0103.C8
Gene No.	37329	Strand	-
Start	1	End	732
Name	OJ990616_08.0103.C8.o1.tw	Method	TBLASTX:Wheat
Start	6	End	732
GI	none	Score	65
Exons	6..80, 6..110, 7..111, 58..153, 90..149, 156..200, 161..196, 195..731, 210..527, 211..732		

Seq. No.	17797	Seq. ID	OJ990616_08.0103.C8
Gene No.	37329	Strand	-
Start	1	End	732
Name	OJ990616_08.0103.C8.o1.gs	Method	GENSCAN
Start	57	End	569
GI	none	Score	.52
Exons	57..569		

Seq. No.	17797	Seq. ID	OJ990616_08.0103.C8
Gene No.	37329	Strand	-
Start	1	End	732
Name	OJ990616_08.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	378	End	732
GI	none	Score	92
Exons	378..527, 378..731, 382..732		

Seq. No.	17798	Seq. ID	OJ990616_08.0103.C10
Gene No.	37330	Strand	-
Start	18	End	139
Name	OJ990616_08.0103.C10.o1.gs	Method	GENSCAN
Start	18	End	139
GI	none	Score	.87
Exons	18..139		

Seq. No.	17799	Seq. ID	OJ990616_08.0103.C11
Gene No.	37331	Strand	+
Start	23	End	685
Name	OJ990616_08.0103.C11.o1.gs	Method	GENSCAN

Start	23	End	685
GI	none	Score	.59
Exons	23..685		

Seq. No.	17800	Seq. ID	OJ990616_08.0103.C12
Gene No.	37332	Strand	+
Start	1	End	716
Name	OJ990616_08.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	553
GI	1628482	Score	392
Exons	1..553		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	17800	Seq. ID	OJ990616_08.0103.C12
Gene No.	37332	Strand	+
Start	1	End	716
Name	OJ990616_08.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	33	End	480
GI	none	Score	115
Exons	33..143, 36..146, 38..145, 152..352, 153..404, 340..480		

Seq. No.	17800	Seq. ID	OJ990616_08.0103.C12
Gene No.	37332	Strand	+
Start	1	End	716
Name	OJ990616_08.0103.C12.o1.tw	Method	TBLASTX:Wheat
Start	51	End	275
GI	none	Score	171
Exons	51..263, 74..274, 99..275		

Seq. No.	17800	Seq. ID	OJ990616_08.0103.C12
Gene No.	37332	Strand	+
Start	1	End	716
Name	OJ990616_08.0103.C12.o1.gs	Method	GENSCAN
Start	66	End	716
GI	none	Score	.49
Exons	66..377, 696..716		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37333	Strand	+
Start	1023	End	2639
Name	OJ990616_08.0103.C14.o1.gs	Method	GENSCAN
Start	1023	End	2639
GI	none	Score	.49
Exons	1023..1122, 1430..1466, 2461..2639		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37334	Strand	+
Start	10304	End	11786
Name	OJ990616_08.0103.C14.o3.gs	Method	GENSCAN
Start	10304	End	11786
GI	none	Score	.46
Exons	10304..10310, 10595..11038, 11062..11255, 11616..11786		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37335	Strand	-
Start	3018	End	8339
Name	OJ990616_08.0103.C14.o2.gs	Method	GENSCAN

Start	3018	End	8087
GI	none	Score	.58
Exons	3018..5828, 5991..6428, 7168..7340, 7934..8087		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37335	Strand	-
Start	3018	End	8339
Name	OJ990616_08.0103.C14.o1.np	Method	AAT/NAP
Start	3038	End	8339
GI	6069646	Score	966
Exons	3038..4012, 4295..5093, 8323..8339		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37336	Strand	-
Start	14202	End	14426
Name	OJ990616_08.0103.C14.o4.tm	Method	TBLASTX:Maize
Start	3053	End	8838
GI	none	Score	104
Exons	3053..3214, 3312..3608, 3313..3498, 8668..8838		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37336	Strand	-
Start	14202	End	14426
Name	OJ990616_08.0103.C14.o2.tw	Method	TBLASTX:Wheat
Start	3312	End	8757
GI	none	Score	72
Exons	3312..3497, 3358..3501, 3382..3519, 8635..8757		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37336	Strand	-
Start	14202	End	14426
Name	OJ990616_08.0103.C14.o5.tm	Method	TBLASTX:Maize
Start	3843	End	4068
GI	none	Score	103
Exons	3843..4067, 3844..4068		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37336	Strand	-
Start	14202	End	14426
Name	OJ990616_08.0103.C14.o1.tw	Method	TBLASTX:Wheat
Start	3999	End	4439
GI	none	Score	135
Exons	3999..4157, 4137..4439, 4147..4437		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37336	Strand	-
Start	14202	End	14426
Name	OJ990616_08.0103.C14.o2.tm	Method	TBLASTX:Maize
Start	4078	End	4694
GI	none	Score	142
Exons	4078..4533, 4080..4691, 4611..4694		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37336	Strand	-
Start	14202	End	14426
Name	OJ990616_08.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	4695	End	5120
GI	none	Score	265
Exons	4695..5120, 4696..5094		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37336	Strand	-
Start	14202	End	14426
Name	OJ990616_08.0103.C14.o3.tw	Method	TBLASTX:Wheat
Start	4866	End	5201
GI	none	Score	84
Exons	4866..5072, 5052..5201		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37336	Strand	-
Start	14202	End	14426
Name	OJ990616_08.0103.C14.o3.tm	Method	TBLASTX:Maize
Start	5272	End	5711
GI	none	Score	112
Exons	5272..5538, 5277..5549, 5601..5711		

Seq. No.	17801	Seq. ID	OJ990616_08.0103.C14
Gene No.	37336	Strand	-
Start	14202	End	14426
Name	OJ990616_08.0103.C14.o4.gs	Method	GENSCAN
Start	14202	End	14426
GI	none	Score	.77
Exons	14202..14426		

Seq. No.	17802	Seq. ID	OJ990616_08.0103.C15
Gene No.	37337	Strand	-
Start	401	End	964
Name	OJ990616_08.0103.C15.o1.gs	Method	GENSCAN
Start	401	End	964
GI	none	Score	.43
Exons	401..604, 875..964		

Seq. No.	17803	Seq. ID	OJ990616_08.0103.C16
Gene No.	37338	Strand	+
Start	1	End	1548
Name	OJ990616_08.0103.C16.o1.np	Method	AAT/NAP
Start	1	End	1548
GI	6498458	Score	60
Exons	1..32, 435..690, 1457..1548		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	17803	Seq. ID	OJ990616_08.0103.C16
Gene No.	37339	Strand	-
Start	924	End	1030
Name	OJ990616_08.0103.C16.o1.gs	Method	GENSCAN
Start	924	End	1030
GI	none	Score	.79
Exons	924..1030		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o8.tw	Method	TBLASTX:Wheat
Start	723	End	983
GI	none	Score	97
Exons	723..809, 724..810, 806..982, 807..983		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o4.tw	Method	TBLASTX:Wheat
Start	1614	End	2112
GI	none	Score	144
Exons	1614..1796, 1622..1795, 1833..2069, 1835..2059, 2059..2112		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o1.tw	Method	TBLASTX:Wheat
Start	2262	End	2717
GI	none	Score	549
Exons	2262..2717, 2267..2662		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o3.ts	Method	TBLASTX:Soybean
Start	2301	End	2666
GI	none	Score	102
Exons	2301..2525, 2532..2666		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o1.np	Method	AAT/NAP
Start	2316	End	5434
GI	5902445	Score	3081
Exons	2316..4154, 4194..5434		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	2391	End	2747
GI	none	Score	399
Exons	2391..2747, 2445..2621, 2453..2659		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o2.tm	Method	TBLASTX:Maize
Start	2775	End	3158
GI	none	Score	337
Exons	2775..3158, 2942..3157		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o2.tw	Method	TBLASTX:Wheat
Start	2832	End	3256
GI	none	Score	466
Exons	2832..3254, 2872..2973, 2877..3221, 2942..3256		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o1.ts	Method	TBLASTX:Soybean
Start	2886	End	3311
GI	none	Score	314
Exons	2886..3311, 2945..3070		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o5.tw	Method	TBLASTX:Wheat
Start	3402	End	3809
GI	none	Score	207
Exons	3402..3626, 3422..3628, 3636..3809, 3744..3809		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o2.ts	Method	TBLASTX:Soybean
Start	3525	End	3908
GI	none	Score	84
Exons	3525..3650, 3660..3908		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o7.tw	Method	TBLASTX:Wheat
Start	3813	End	4106
GI	none	Score	214
Exons	3813..4106, 3863..3979		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o3.tm	Method	TBLASTX:Maize
Start	4311	End	4615
GI	none	Score	156
Exons	4311..4460, 4349..4456, 4465..4614, 4466..4615		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o6.tw	Method	TBLASTX:Wheat
Start	4311	End	4693
GI	none	Score	144
Exons	4311..4460, 4439..4693, 4465..4692		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17

Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o3.tw	Method	TBLASTX:Wheat
Start	4817	End	5425
GI	none	Score	343
Exons	4817..5269, 4856..4897, 4966..5073, 5294..5425, 5299..5424		

Seq. No.	17804	Seq. ID	OJ990616_08.0103.C17
Gene No.	37340	Strand	+
Start	2316	End	5434
Name	OJ990616_08.0103.C17.o4.tm	Method	TBLASTX:Maize
Start	5144	End	5389
GI	none	Score	142
Exons	5144..5305, 5306..5389		

Seq. No.	17805	Seq. ID	OJ990616_08.0103.C18
Gene No.	37341	Strand	-
Start	1019	End	1715
Name	OJ990616_08.0103.C18.o1.np	Method	AAT/NAP
Start	1019	End	1715
GI	6721561	Score	720
Exons	1019..1715		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17806	Seq. ID	OJ990616_08.0103.C19
Gene No.	37342	Strand	-
Start	52	End	753
Name	OJ990616_08.0103.C19.o1.gs	Method	GENSCAN
Start	52	End	753
GI	none	Score	.48
Exons	52..255, 635..753		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37343	Strand	+
Start	674	End	4646
Name	OJ990616_08.0103.C23.o1.gs	Method	GENSCAN
Start	674	End	4646
GI	none	Score	.71
Exons	674..721, 1027..1136, 1157..1338, 1412..1541, 2758..2874, 3855..4646		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o1.np	Method	AAT/NAP
Start	4866	End	9144
GI	4680179	Score	5321
Exons	4866..9144		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144

Name	OJ990616_08.0103.C23.o2.gs	Method	GENSCAN
Start	4911	End	9014
GI	none	Score	.89
Exons	4911..9014		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o8.tw	Method	TBLASTX:Wheat
Start	5072	End	5270
GI	none	Score	215
Exons	5072..5269, 5073..5270		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o6.tw	Method	TBLASTX:Wheat
Start	5321	End	5672
GI	none	Score	312
Exons	5321..5494, 5322..5672, 5470..5538		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o6.tm	Method	TBLASTX:Maize
Start	5322	End	5627
GI	none	Score	246
Exons	5322..5627		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o7.tw	Method	TBLASTX:Wheat
Start	6006	End	6359
GI	none	Score	261
Exons	6006..6359		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o7.tm	Method	TBLASTX:Maize
Start	6363	End	6556
GI	none	Score	189
Exons	6363..6554, 6401..6556		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o4.tw	Method	TBLASTX:Wheat
Start	6491	End	6975
GI	none	Score	529
Exons	6491..6931, 6492..6974, 6495..6971, 6601..6975		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o4.ts	Method	TBLASTX:Soybean

Start	6528	End	6842
GI	none	Score	192
Exons	6528..6842		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o4.tm	Method	TBLASTX:Maize
Start	6557	End	7004
GI	none	Score	367
Exons	6557..6994, 6561..7004		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o1.ts	Method	TBLASTX:Soybean
Start	6915	End	7310
GI	none	Score	57
Exons	6915..6947, 6915..6947, 6951..7004, 6953..6994, 7059..7310, 7067..7300		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o5.tm	Method	TBLASTX:Maize
Start	7059	End	7391
GI	none	Score	310
Exons	7059..7391, 7112..7390		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o5.tw	Method	TBLASTX:Wheat
Start	7062	End	7325
GI	none	Score	373
Exons	7062..7325, 7064..7324		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o3.tw	Method	TBLASTX:Wheat
Start	7326	End	7751
GI	none	Score	599
Exons	7326..7751, 7328..7744		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o3.ts	Method	TBLASTX:Soybean
Start	7332	End	7580
GI	none	Score	206
Exons	7332..7580		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o2.tm	Method	TBLASTX:Maize

Start	7398	End	7751
GI	none	Score	463
Exons	7398..7751, 7403..7744		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o2.tw	Method	TBLASTX:Wheat
Start	7779	End	8318
GI	none	Score	624
Exons	7779..8318, 7961..8011, 8063..8314		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o1.tc	Method	TBLASTX:Cress
Start	8016	End	8342
GI	none	Score	89
Exons	8016..8198, 8199..8342, 8201..8341		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o2.ts	Method	TBLASTX:Soybean
Start	8106	End	8366
GI	none	Score	301
Exons	8106..8366, 8117..8365		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o3.tm	Method	TBLASTX:Maize
Start	8164	End	8456
GI	none	Score	411
Exons	8164..8451, 8165..8452, 8166..8456		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o1.tw	Method	TBLASTX:Wheat
Start	8325	End	8951
GI	none	Score	724
Exons	8325..8951, 8328..8672, 8384..8833, 8891..8950		

Seq. No.	17807	Seq. ID	OJ990616_08.0103.C23
Gene No.	37344	Strand	+
Start	4911	End	9144
Name	OJ990616_08.0103.C23.o1.tm	Method	TBLASTX:Maize
Start	8504	End	9088
GI	none	Score	229
Exons	8504..8659, 8505..8666, 8519..8668, 8663..8836, 8664..8969, 8823..8960, 8972..9088, 8986..9087		

Seq. No.	17808	Seq. ID	OJ990616_08.0103.C24
Gene No.	37345	Strand	-
Start	1	End	568
Name	OJ990616_08.0103.C24.o1.np	Method	AAT/NAP

Start	1	End	568
GI	4680204	Score	262
Exons	1..568		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	17809	Seq. ID	OJ990616_08.0103.C25
Gene No.	37346	Strand	-
Start	205	End	930
Name	OJ990616_08.0103.C25.o1.gp	Method	AAT/GAP
Start	205	End	930
GI	342_1.R1084	Score	1056
Exons	205..723, 833..930		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	17810	Seq. ID	OJ990616_08.0103.C26
Gene No.	37347	Strand	-
Start	1	End	1585
Name	OJ990616_08.0103.C26.o1.gp	Method	AAT/GAP
Start	1	End	1585
GI	342_1.R1084	Score	2876
Exons	1..1585		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	17810	Seq. ID	OJ990616_08.0103.C26
Gene No.	37347	Strand	-
Start	1	End	1585
Name	OJ990616_08.0103.C26.o1.np	Method	AAT/NAP
Start	1	End	1585
GI	4680203	Score	1921
Exons	1..134, 288..1585		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17810	Seq. ID	OJ990616_08.0103.C26
Gene No.	37347	Strand	-
Start	1	End	1585
Name	OJ990616_08.0103.C26.o2.tw	Method	TBLASTX:Wheat
Start	1	End	432
GI	none	Score	91
Exons	1..108, 3..107, 6..113, 140..352, 141..359, 181..363, 369..431, 382..432		

Seq. No.	17810	Seq. ID	OJ990616_08.0103.C26
Gene No.	37347	Strand	-
Start	1	End	1585
Name	OJ990616_08.0103.C26.o1.gs	Method	GENSCAN
Start	45	End	1535
GI	none	Score	.83
Exons	45..1535		

Seq. No.	17810	Seq. ID	OJ990616_08.0103.C26
Gene No.	37347	Strand	-
Start	1	End	1585
Name	OJ990616_08.0103.C26.o2.ts	Method	TBLASTX:Soybean
Start	465	End	707
GI	none	Score	54

Exons	465..707, 523..621		
Seq. No.	17810	Seq. ID	OJ990616_08.0103.C26
Gene No.	37347	Strand	-
Start	1	End	1585
Name	OJ990616_08.0103.C26.o1.tm	Method	TBLASTX:Maize
Start	537	End	995
GI	none	Score	97
Exons	537..731, 741..995, 741..983		
Seq. No.	17810	Seq. ID	OJ990616_08.0103.C26
Gene No.	37347	Strand	-
Start	1	End	1585
Name	OJ990616_08.0103.C26.o1.tw	Method	TBLASTX:Wheat
Start	571	End	1040
GI	none	Score	173
Exons	571..777, 571..780, 576..800, 780..878, 781..873, 882..986, 886..975, 987..1040, 988..1032		
Seq. No.	17810	Seq. ID	OJ990616_08.0103.C26
Gene No.	37347	Strand	-
Start	1	End	1585
Name	OJ990616_08.0103.C26.o1.tc	Method	TBLASTX:Cress
Start	828	End	1176
GI	none	Score	88
Exons	828..1169, 847..984, 1024..1176		
Seq. No.	17810	Seq. ID	OJ990616_08.0103.C26
Gene No.	37347	Strand	-
Start	1	End	1585
Name	OJ990616_08.0103.C26.o1.ts	Method	TBLASTX:Soybean
Start	909	End	1338
GI	none	Score	122
Exons	909..1205, 927..1151, 1200..1262, 1255..1338, 1263..1337		
Seq. No.	17810	Seq. ID	OJ990616_08.0103.C26
Gene No.	37347	Strand	-
Start	1	End	1585
Name	OJ990616_08.0103.C26.o3.tw	Method	TBLASTX:Wheat
Start	1254	End	1583
GI	none	Score	157
Exons	1254..1511, 1259..1510, 1269..1520, 1270..1512, 1503..1583		
Seq. No.	17811	Seq. ID	OJ990616_08.0103.C28
Gene No.	37348	Strand	+
Start	515	End	657
Name	OJ990616_08.0103.C28.o1.gs	Method	GENSCAN
Start	515	End	657
GI	none	Score	.62
Exons	515..657		
Seq. No.	17812	Seq. ID	OJ990616_08.0103.C29
Gene No.	37349	Strand	-
Start	14	End	704
Name	OJ990616_08.0103.C29.o1.gs	Method	GENSCAN
Start	14	End	704
GI	none	Score	.88

Exons	14..292, 654..704		
Seq. No.	17813	Seq. ID	OJ990616_08.0103.C30
Gene No.	37350	Strand	+
Start	120	End	2020
Name	OJ990616_08.0103.C30.o1.gs	Method	GENSCAN
Start	120	End	2020
GI	none	Score	.58
Exons	120..918, 1028..1201, 1298..1408, 1493..1565, 1838..2020		
Seq. No.	17813	Seq. ID	OJ990616_08.0103.C30
Gene No.	37350	Strand	+
Start	120	End	2020
Name	OJ990616_08.0103.C30.o1.tw	Method	TBLASTX:Wheat
Start	845	End	1367
GI	none	Score	61
Exons	845..925, 1014..1196, 1064..1189, 1296..1367		
Seq. No.	17814	Seq. ID	OJ990616_08.0103.C32
Gene No.	37351	Strand	
Start	175	End	396
Name	OJ990616_08.0103.C32.o1.tm	Method	TBLASTX:Maize
Start	175	End	396
GI	none	Score	213
Exons	175..327, 182..394, 182..394, 183..395, 183..395, 298..396		
Seq. No.	17814	Seq. ID	OJ990616_08.0103.C32
Gene No.	37351	Strand	
Start	175	End	396
Name	OJ990616_08.0103.C32.o1.tc	Method	TBLASTX:Cress
Start	213	End	395
GI	none	Score	109
Exons	213..395, 234..395		
Seq. No.	17815	Seq. ID	OJ990616_08.0103.C34
Gene No.	37352	Strand	+
Start	1	End	351
Name	OJ990616_08.0103.C34.o1.np	Method	AAT/NAP
Start	1	End	351
GI	6539553	Score	80
Exons	1..178, 271..351		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	17816	Seq. ID	OJ990616_08.0103.C35
Gene No.	37353	Strand	+
Start	1	End	758
Name	OJ990616_08.0103.C35.o1.np	Method	AAT/NAP
Start	1	End	758
GI	5091523	Score	93
Exons	1..30, 485..758		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		
Seq. No.	17817	Seq. ID	OJ990616_08.0103.C37

Gene No.	37354	Strand	+
Start	115	End	240
Name	OJ990616_08.0103.C37.o1.gs	Method	GENSCAN
Start	115	End	240
GI	none	Score	.67
Exons	115..240		

Seq. No.	17817	Seq. ID	OJ990616_08.0103.C37
Gene No.	37355	Strand	-
Start	505	End	1072
Name	OJ990616_08.0103.C37.o2.gs	Method	GENSCAN
Start	505	End	1008
GI	none	Score	.97
Exons	505..1008		

Seq. No.	17817	Seq. ID	OJ990616_08.0103.C37
Gene No.	37355	Strand	-
Start	505	End	1072
Name	OJ990616_08.0103.C37.o1.np	Method	AAT/NAP
Start	508	End	1072
GI	4680179	Score	737
Exons	508..1072		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17817	Seq. ID	OJ990616_08.0103.C37
Gene No.	37355	Strand	-
Start	505	End	1072
Name	OJ990616_08.0103.C37.o1.tw	Method	TBLASTX:Wheat
Start	553	End	975
GI	none	Score	182
Exons	553..975, 605..940, 769..954		

Seq. No.	17817	Seq. ID	OJ990616_08.0103.C37
Gene No.	37355	Strand	-
Start	505	End	1072
Name	OJ990616_08.0103.C37.o1.tm	Method	TBLASTX:Maize
Start	748	End	1011
GI	none	Score	88
Exons	748..1011, 749..946, 769..1011		

Seq. No.	17818	Seq. ID	OJ990616_08.0103.C38
Gene No.	37356	Strand	-
Start	189	End	788
Name	OJ990616_08.0103.C38.o1.gs	Method	GENSCAN
Start	189	End	788
GI	none	Score	.63
Exons	189..788		

Seq. No.	17819	Seq. ID	OJ990616_08.0103.C40
Gene No.	37357	Strand	+
Start	117	End	820
Name	OJ990616_08.0103.C40.o1.np	Method	AAT/NAP
Start	117	End	820
GI	4680204	Score	293
Exons	117..820		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	17819	Seq. ID	OJ990616_08.0103.C40
Gene No.	37357	Strand	+
Start	117	End	820
Name	OJ990616_08.0103.C40.o1.gs	Method	GENSCAN
Start	132	End	792
GI	none	Score	.76
Exons	132..792		

Seq. No.	17820	Seq. ID	OJ990616_08.0103.C41
Gene No.	37358	Strand	-
Start	410	End	572
Name	OJ990616_08.0103.C41.o1.gs	Method	GENSCAN
Start	410	End	572
GI	none	Score	.72
Exons	410..572		

Seq. No.	17821	Seq. ID	OJ990616_08.0103.C42
Gene No.	37359	Strand	-
Start	83	End	436
Name	OJ990616_08.0103.C42.o1.gs	Method	GENSCAN
Start	83	End	436
GI	none	Score	.46
Exons	83..436		

Seq. No.	17822	Seq. ID	OJ990616_08.0103.C43
Gene No.	37360	Strand	+
Start	239	End	333
Name	OJ990616_08.0103.C43.o1.gs	Method	GENSCAN
Start	239	End	333
GI	none	Score	.55
Exons	239..333		

Seq. No.	17823	Seq. ID	OJ990616_08.0103.C44
Gene No.	37361	Strand	+
Start	991	End	1122
Name	OJ990616_08.0103.C44.o1.gs	Method	GENSCAN
Start	991	End	1122
GI	none	Score	.7
Exons	991..1122		

Seq. No.	17824	Seq. ID	OJ990616_08.0103.C45
Gene No.	37362	Strand	+
Start	182	End	5721
Name	OJ990616_08.0103.C45.o2.np	Method	AAT/NAP
Start	182	End	3504
GI	6721512	Score	47
Exons	182..225, 1776..1905, 3477..3504		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17824	Seq. ID	OJ990616_08.0103.C45
Gene No.	37362	Strand	+
Start	182	End	5721
Name	OJ990616_08.0103.C45.o3.np	Method	AAT/NAP
Start	2688	End	5721
GI	6907089	Score	277
Exons	2688..3440, 5679..5721		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17824	Seq. ID	OJ990616_08.0103.C45
Gene No.	37362	Strand	+
Start	182	End	5721
Name	OJ990616_08.0103.C45.o2.gs	Method	GENSCAN
Start	2720	End	5272
GI	none	Score	.62
Exons	2720..3353, 3520..3644, 3711..3890, 4497..4653, 5208..5272		

Seq. No.	17824	Seq. ID	OJ990616_08.0103.C45
Gene No.	37362	Strand	+
Start	182	End	5721
Name	OJ990616_08.0103.C45.o4.np	Method	AAT/NAP
Start	3244	End	5721
GI	6721561	Score	163
Exons	3244..3279, 3678..3890, 3930..4016, 5689..5721		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17824	Seq. ID	OJ990616_08.0103.C45
Gene No.	37363	Strand	-
Start	1	End	2657
Name	OJ990616_08.0103.C45.o1.np	Method	AAT/NAP
Start	1	End	2657
GI	5042454	Score	142
Exons	1..35, 248..468, 664..1036, 2629..2657		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17824	Seq. ID	OJ990616_08.0103.C45
Gene No.	37363	Strand	-
Start	1	End	2657
Name	OJ990616_08.0103.C45.o1.gs	Method	GENSCAN
Start	110	End	1652
GI	none	Score	.77
Exons	110..988, 1059..1652		

Seq. No.	17825	Seq. ID	OJ990616_08.0103.C46
Gene No.	37364	Strand	-
Start	933	End	1534
Name	OJ990616_08.0103.C46.o1.gs	Method	GENSCAN
Start	933	End	1534
GI	none	Score	.85
Exons	933..1266, 1280..1534		

Seq. No.	17826	Seq. ID	OJ990616_08.0103.C47
Gene No.	37365	Strand	-
Start	1314	End	1477
Name	OJ990616_08.0103.C47.o1.gs	Method	GENSCAN
Start	1314	End	1477
GI	none	Score	.98
Exons	1314..1477		

Seq. No.	17827	Seq. ID	OJ990616_08.0103.C48
Gene No.	37366	Strand	+

Start	1169	End	2489
Name	OJ990616_08.0103.C48.o1.gs	Method	GENSCAN
Start	1169	End	2489
GI	none	Score	.53
Exons	1169..1263, 1946..2489		

Seq. No.	17827	Seq. ID	OJ990616_08.0103.C48
Gene No.	37366	Strand	+
Start	1169	End	2489
Name	OJ990616_08.0103.C48.o1.tm	Method	TBLASTX:Maize
Start	1937	End	2455
GI	none	Score	482
Exons	1937..2452, 1977..2441, 2371..2445, 2381..2455		

Seq. No.	17827	Seq. ID	OJ990616_08.0103.C48
Gene No.	37366	Strand	+
Start	1169	End	2489
Name	OJ990616_08.0103.C48.o1.ts	Method	TBLASTX:Soybean
Start	2031	End	2441
GI	none	Score	109
Exons	2031..2195, 2039..2080, 2199..2441, 2204..2311		

Seq. No.	17828	Seq. ID	OJ990616_08.0103.C49
Gene No.	37367	Strand	+
Start	312	End	1120
Name	OJ990616_08.0103.C49.o1.gs	Method	GENSCAN
Start	312	End	1005
GI	none	Score	.93
Exons	312..1005		

Seq. No.	17828	Seq. ID	OJ990616_08.0103.C49
Gene No.	37367	Strand	+
Start	312	End	1120
Name	OJ990616_08.0103.C49.o1.np	Method	AAT/NAP
Start	312	End	1120
GI	4680203	Score	810
Exons	312..1120		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17828	Seq. ID	OJ990616_08.0103.C49
Gene No.	37367	Strand	+
Start	312	End	1120
Name	OJ990616_08.0103.C49.o1.tw	Method	TBLASTX:Wheat
Start	663	End	1019
GI	none	Score	103
Exons	663..770, 753..1004, 761..1003, 762..1019, 763..1014		

Seq. No.	17828	Seq. ID	OJ990616_08.0103.C49
Gene No.	37367	Strand	+
Start	312	End	1120
Name	OJ990616_08.0103.C49.o1.ts	Method	TBLASTX:Soybean
Start	786	End	1004
GI	none	Score	238
Exons	786..1004, 794..1000		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37368	Strand	+

Start	1007	End	2672
Name	OJ990616_08.0103.C50.o1.gp	Method	AAT/GAP
Start	959	End	1469
GI	none	Score	955
Exons	959..1469		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37368	Strand	+
Start	1007	End	2672
Name	OJ990616_08.0103.C50.o1.gs	Method	GENSCAN
Start	1007	End	2452
GI	none	Score	1
Exons	1007..2452		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37368	Strand	+
Start	1007	End	2672
Name	OJ990616_08.0103.C50.o1.np	Method	AAT/NAP
Start	1595	End	2446
GI	4115536	Score	350
Exons	1595..2446		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37368	Strand	+
Start	1007	End	2672
Name	OJ990616_08.0103.C50.o3.gp	Method	AAT/GAP
Start	2297	End	2672
GI	none	Score	519
Exons	2297..2672		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37369	Strand	-
Start	1614	End	2265
Name	OJ990616_08.0103.C50.o2.gp	Method	AAT/GAP
Start	1614	End	2265
GI	2275913	Score	522
Exons	1614..1797, 2161..2265		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37370	Strand	-
Start	2298	End	2672
Name	OJ990616_08.0103.C50.o4.gp	Method	AAT/GAP
Start	2298	End	2672
GI	none	Score	523
Exons	2298..2672		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37371	Strand	-
Start	2761	End	2902
Name	OJ990616_08.0103.C50.o1.tm	Method	TBLASTX:Maize
Start	1006	End	2453
GI	none	Score	520
Exons	1006..1545, 1031..1543, 1226..1558, 1522..1779, 1547..1795, 1781..2452, 1834..1977, 2033..2152, 2062..2439, 2427..2453		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37371	Strand	-
Start	2761	End	2902
Name	OJ990616_08.0103.C50.o2.ts	Method	TBLASTX:Soybean
Start	1070	End	1486
GI	none	Score	91
Exons	1070..1234, 1238..1486		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37371	Strand	-
Start	2761	End	2902
Name	OJ990616_08.0103.C50.o1.tc	Method	TBLASTX:Cress
Start	1535	End	2134
GI	none	Score	121
Exons	1535..1756, 1826..2134, 1849..1962		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37371	Strand	-
Start	2761	End	2902
Name	OJ990616_08.0103.C50.o1.ts	Method	TBLASTX:Soybean
Start	1547	End	2206
GI	none	Score	96
Exons	1547..1726, 1811..1972, 1837..1971, 2018..2206, 2107..2199		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37371	Strand	-
Start	2761	End	2902
Name	OJ990616_08.0103.C50.o1.tw	Method	TBLASTX:Wheat
Start	1988	End	2278
GI	none	Score	336
Exons	1988..2278, 2027..2152, 2062..2277		

Seq. No.	17829	Seq. ID	OJ990616_08.0103.C50
Gene No.	37371	Strand	-
Start	2761	End	2902
Name	OJ990616_08.0103.C50.o2.gs	Method	GENSCAN
Start	2761	End	2902
GI	none	Score	.81
Exons	2761..2902		

Seq. No.	17830	Seq. ID	OJ990616_08.0103.C53
Gene No.	37372	Strand	+
Start	465	End	568
Name	OJ990616_08.0103.C53.o1.gs	Method	GENSCAN
Start	465	End	568
GI	none	Score	.52
Exons	465..568		

Seq. No.	17830	Seq. ID	OJ990616_08.0103.C53
Gene No.	37373	Strand	-
Start	1	End	106
Name	OJ990616_08.0103.C53.o1.gp	Method	AAT/GAP
Start	1	End	106
GI	LIB3477-003-P1-K1-E9	Score	161
Exons	1..106		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza		

sativa]'

Seq. No.	17831	Seq. ID	OJ990616_08.0103.C54
Gene No.	37374	Strand	+
Start	225	End	393
Name	OJ990616_08.0103.C54.o1.gs	Method	GENSCAN
Start	225	End	393
GI	none	Score	.98
Exons	225..393		

Seq. No.	17832	Seq. ID	OJ990616_08.0103.C55
Gene No.	37375	Strand	-
Start	189	End	611
Name	OJ990616_08.0103.C55.o1.gs	Method	GENSCAN
Start	189	End	611
GI	none	Score	.48
Exons	189..611		

Seq. No.	17833	Seq. ID	OJ990616_08.0103.C56
Gene No.	37376	Strand	-
Start	53	End	292
Name	OJ990616_08.0103.C56.o1.gs	Method	GENSCAN
Start	53	End	292
GI	none	Score	.56
Exons	53..292		

Seq. No.	17834	Seq. ID	OJ990616_08.0103.C57
Gene No.	37377	Strand	-
Start	79	End	134
Name	OJ990616_08.0103.C57.o1.gs	Method	GENSCAN
Start	79	End	134
GI	none	Score	.68
Exons	79..134		

Seq. No.	17835	Seq. ID	OJ990616_08.0103.C58
Gene No.	37378	Strand	+
Start	320	End	744
Name	OJ990616_08.0103.C58.o1.gs	Method	GENSCAN
Start	320	End	744
GI	none	Score	.91
Exons	320..425, 437..744		

Seq. No.	17835	Seq. ID	OJ990616_08.0103.C58
Gene No.	37379	Strand	-
Start	819	End	1543
Name	OJ990616_08.0103.C58.o1.np	Method	AAT/NAP
Start	816	End	907
GI	6721512	Score	55
Exons	816..907		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17835	Seq. ID	OJ990616_08.0103.C58
Gene No.	37379	Strand	-
Start	819	End	1543
Name	OJ990616_08.0103.C58.o2.gs	Method	GENSCAN
Start	819	End	1543
GI	none	Score	.63

Exons	819..967, 1456..1543		
Seq. No.	17836	Seq. ID	OJ990616_08.0103.C59
Gene No.	37380	Strand	-
Start	1335	End	2161
Name	OJ990616_08.0103.C59.o1.gs	Method	GENSCAN
Start	1335	End	2161
GI	none	Score	.47
Exons	1335..1518, 1961..2161		
Seq. No.	17837	Seq. ID	OJ990616_08.0103.C60
Gene No.	37381	Strand	-
Start	114	End	951
Name	OJ990616_08.0103.C60.o1.gs	Method	GENSCAN
Start	114	End	951
GI	none	Score	.71
Exons	114..210, 319..432, 809..951		
Seq. No.	17838	Seq. ID	OJ990616_08.0103.C61
Gene No.	37382	Strand	-
Start	1291	End	2182
Name	OJ990616_08.0103.C61.o2.gs	Method	GENSCAN
Start	1291	End	2182
GI	none	Score	.63
Exons	1291..1616, 1883..1951, 2056..2182		
Seq. No.	17839	Seq. ID	OJ990616_08.0103.C62
Gene No.	37383	Strand	-
Start	56	End	635
Name	OJ990616_08.0103.C62.o1.gs	Method	GENSCAN
Start	56	End	635
GI	none	Score	.41
Exons	56..635		
Seq. No.	17840	Seq. ID	OJ990616_08.0103.C63
Gene No.	37384	Strand	+
Start	1	End	901
Name	OJ990616_08.0103.C63.o1.np	Method	AAT/NAP
Start	1	End	901
GI	5852180	Score	35
Exons	1..78, 307..367, 878..901		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	17840	Seq. ID	OJ990616_08.0103.C63
Gene No.	37384	Strand	+
Start	1	End	901
Name	OJ990616_08.0103.C63.o2.np	Method	AAT/NAP
Start	1	End	668
GI	4680186	Score	209
Exons	1..62, 464..668		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	17840	Seq. ID	OJ990616_08.0103.C63
Gene No.	37385	Strand	-
Start	214	End	597
Name	OJ990616_08.0103.C63.o1.gp	Method	AAT/GAP
Start	214	End	597

GI	uC-osflcyp033a04b1	Score	669
Exons	214..597		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17841	Seq. ID	OJ990616_08.0103.C64
Gene No.	37386	Strand	-
Start	1	End	756
Name	OJ990616_08.0103.C64.o1.np	Method	AAT/NAP
Start	1	End	756
GI	6907087	Score	456
Exons	1..328, 373..756		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17842	Seq. ID	OJ990616_08.0103.C65
Gene No.	37387	Strand	-
Start	881	End	1694
Name	OJ990616_08.0103.C65.o1.gs	Method	GENSCAN
Start	881	End	1694
GI	none	Score	.86
Exons	881..1694		

Seq. No.	17843	Seq. ID	OJ990616_08.0103.C66
Gene No.	37388	Strand	+
Start	15	End	2377
Name	OJ990616_08.0103.C66.o1.np	Method	AAT/NAP
Start	15	End	2377
GI	5852180	Score	40
Exons	15..70, 1945..2006, 2316..2377		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	17843	Seq. ID	OJ990616_08.0103.C66
Gene No.	37388	Strand	+
Start	15	End	2377
Name	OJ990616_08.0103.C66.o1.gs	Method	GENSCAN
Start	109	End	1184
GI	none	Score	.51
Exons	109..1184		

Seq. No.	17843	Seq. ID	OJ990616_08.0103.C66
Gene No.	37388	Strand	+
Start	15	End	2377
Name	OJ990616_08.0103.C66.o2.np	Method	AAT/NAP
Start	356	End	2309
GI	4680186	Score	209
Exons	356..380, 2105..2309		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17843	Seq. ID	OJ990616_08.0103.C66
Gene No.	37389	Strand	-
Start	1855	End	2238
Name	OJ990616_08.0103.C66.o1.gp	Method	AAT/GAP
Start	1855	End	2238
GI	uC-osflcyp033a04b1	Score	669
Exons	1855..2238		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	17844	Seq. ID	OJ990616_08.0103.C69
Gene No.	37390	Strand	-
Start	789	End	886
Name	OJ990616_08.0103.C69.o1.gs	Method	GENSCAN
Start	789	End	886
GI	none	Score	.41
Exons	789..886		

Seq. No.	17845	Seq. ID	OJ990616_08.0103.C70
Gene No.	37391	Strand	-
Start	223	End	285
Name	OJ990616_08.0103.C70.o1.gs	Method	GENSCAN
Start	223	End	285
GI	none	Score	.62
Exons	223..285		

Seq. No.	17846	Seq. ID	OJ990616_08.0103.C71
Gene No.	37392	Strand	+
Start	318	End	859
Name	OJ990616_08.0103.C71.o1.gs	Method	GENSCAN
Start	318	End	859
GI	none	Score	.79
Exons	318..394, 663..734, 811..859		

Seq. No.	17847	Seq. ID	OJ990616_08.0103.C73
Gene No.	37393	Strand	+
Start	1437	End	3679
Name	OJ990616_08.0103.C73.o1.gs	Method	GENSCAN
Start	1437	End	3482
GI	none	Score	.66
Exons	1437..2329, 2818..3482		

Seq. No.	17847	Seq. ID	OJ990616_08.0103.C73
Gene No.	37393	Strand	+
Start	1437	End	3679
Name	OJ990616_08.0103.C73.o1.gp	Method	AAT/GAP
Start	1596	End	3676
GI	169787	Score	3158
Exons	1596..2329, 2818..3676		

GI Descrip. 1346057/sp|P47997|G11A_ORYSA 0.0e+00 PROTEIN KINASE G11A >gi_100705_pir__B30311 protein kinase C (EC 2.7.1.-) homolog - rice (fragment) >gi_169788 (J04556) G11A protein [Oryza sativa]

Seq. No.	17847	Seq. ID	OJ990616_08.0103.C73
Gene No.	37393	Strand	+
Start	1437	End	3679
Name	OJ990616_08.0103.C73.o1.np	Method	AAT/NAP
Start	1596	End	3676
GI	1346057	Score	2740
Exons	1596..2329, 2818..3676		

GI Descrip. PROTEIN KINASE G11A gi|100705|pir||B30311 protein kinase C (EC 2.7.1.-) homolog - rice (fragment) gi|169788 (J04556) G11A protein [Oryza sativa]

Seq. No.	17847	Seq. ID	OJ990616_08.0103.C73
Gene No.	37393	Strand	+
Start	1437	End	3679
Name	OJ990616_08.0103.C73.o1.tc	Method	TBLASTX:Cress
Start	1710	End	3679
GI	none	Score	656
Exons	1710..2333, 1794..2321, 1949..2326, 2816..3019, 2818..3018, 3001..3552, 3029..3559, 3061..3123, 3109..3555, 3129..3584, 3614..3679		

Seq. No.	17847	Seq. ID	OJ990616_08.0103.C73
Gene No.	37393	Strand	+
Start	1437	End	3679
Name	OJ990616_08.0103.C73.o2.ts	Method	TBLASTX:Soybean
Start	1716	End	2249
GI	none	Score	534
Exons	1716..2249, 1949..2248		

Seq. No.	17847	Seq. ID	OJ990616_08.0103.C73
Gene No.	37393	Strand	+
Start	1437	End	3679
Name	OJ990616_08.0103.C73.o1.tm	Method	TBLASTX:Maize
Start	1719	End	3620
GI	none	Score	636
Exons	1719..2333, 1911..2312, 1945..2334, 1952..2323, 2140..2334, 2816..3067, 2818..3066, 3023..3139, 3067..3126, 3068..3148, 3131..3559, 3131..3547, 3145..3618, 3145..3606, 3204..3620		

Seq. No.	17847	Seq. ID	OJ990616_08.0103.C73
Gene No.	37393	Strand	+
Start	1437	End	3679
Name	OJ990616_08.0103.C73.o1.ts	Method	TBLASTX:Soybean
Start	2250	End	3617
GI	none	Score	138
Exons	2250..2333, 2252..2326, 2812..2961, 2816..3559, 2818..3018, 2998..3123, 3061..3582, 3113..3436, 3121..3555, 3123..3617, 3180..3617		

Seq. No.	17847	Seq. ID	OJ990616_08.0103.C73
Gene No.	37393	Strand	+
Start	1437	End	3679
Name	OJ990616_08.0103.C73.o2.tw	Method	TBLASTX:Wheat
Start	2967	End	3238
GI	none	Score	273
Exons	2967..3233, 2968..3234, 2968..3237, 2969..3238		

Seq. No.	17847	Seq. ID	OJ990616_08.0103.C73
Gene No.	37393	Strand	+
Start	1437	End	3679
Name	OJ990616_08.0103.C73.o1.tw	Method	TBLASTX:Wheat
Start	3239	End	3559
GI	none	Score	504
Exons	3239..3559, 3241..3549		

Seq. No.	17848	Seq. ID	OJ990616_08.0103.C74
Gene No.	37394	Strand	+
Start	4133	End	4402

Name	OJ990616_08.0103.C74.o2.gs	Method	GENSCAN
Start	4133	End	4402
GI	none	Score	.44
Exons	4133..4402		

Seq. No.	17848	Seq. ID	OJ990616_08.0103.C74
Gene No.	37395	Strand	-
Start	839	End	1564
Name	OJ990616_08.0103.C74.o1.gs	Method	GENSCAN
Start	839	End	1564
GI	none	Score	.93
Exons	839..1130, 1230..1345, 1454..1564		

Seq. No.	17848	Seq. ID	OJ990616_08.0103.C74
Gene No.	37396	Strand	-
Start	4651	End	5046
Name	OJ990616_08.0103.C74.o1.tm	Method	TBLASTX:Maize
Start	866	End	4834
GI	none	Score	46
Exons	866..955, 902..985, 948..983, 968..1003, 1029..1130, 1040..1132, 1044..1130, 1229..1270, 1235..1354, 1277..1351, 1451..1567, 1452..1568, 1452..1568, 1453..1572, 1453..1569, 4697..4834, 4705..4806		

Seq. No.	17848	Seq. ID	OJ990616_08.0103.C74
Gene No.	37396	Strand	-
Start	4651	End	5046
Name	OJ990616_08.0103.C74.o3.gs	Method	GENSCAN
Start	4651	End	5046
GI	none	Score	.48
Exons	4651..5046		

Seq. No.	17849	Seq. ID	OJ990616_08.0103.C76
Gene No.	37397	Strand	+
Start	34	End	735
Name	OJ990616_08.0103.C76.o1.gs	Method	GENSCAN
Start	34	End	735
GI	none	Score	.75
Exons	34..128, 459..735		

Seq. No.	17850	Seq. ID	OJ990616_08.0103.C77
Gene No.	37398	Strand	+
Start	1	End	312
Name	OJ990616_08.0103.C77.o1.np	Method	AAT/NAP
Start	1	End	312
GI	4680186	Score	218
Exons	1..312		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17850	Seq. ID	OJ990616_08.0103.C77
Gene No.	37399	Strand	-
Start	1	End	241
Name	OJ990616_08.0103.C77.o1.gp	Method	AAT/GAP
Start	1	End	241
GI	uC-osflcyp033a04b1	Score	401
Exons	1..241		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	17850	Seq. ID	OJ990616_08.0103.C77
Gene No.	37400	Strand	-
Start	703	End	1539
Name	OJ990616_08.0103.C77.o2.np	Method	AAT/NAP
Start	703	End	1539
GI	6907087	Score	353
Exons	703..804, 1345..1539		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17851	Seq. ID	OJ990616_08.0103.C80
Gene No.	37401	Strand	-
Start	1	End	461
Name	OJ990616_08.0103.C80.o1.np	Method	AAT/NAP
Start	1	End	461
GI	4680179	Score	336
Exons	1..461		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17851	Seq. ID	OJ990616_08.0103.C80
Gene No.	37401	Strand	-
Start	1	End	461
Name	OJ990616_08.0103.C80.o1.tw	Method	TBLASTX:Wheat
Start	57	End	255
GI	none	Score	136
Exons	57..254, 58..255		

Seq. No.	17851	Seq. ID	OJ990616_08.0103.C80
Gene No.	37401	Strand	-
Start	1	End	461
Name	OJ990616_08.0103.C80.o1.gs	Method	GENSCAN
Start	114	End	416
GI	none	Score	.52
Exons	114..416		

Seq. No.	17852	Seq. ID	OJ990616_08.0103.C84
Gene No.	37402	Strand	-
Start	1	End	543
Name	OJ990616_08.0103.C84.o1.np	Method	AAT/NAP
Start	1	End	543
GI	4512231	Score	891
Exons	1..543		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	17852	Seq. ID	OJ990616_08.0103.C84
Gene No.	37402	Strand	-
Start	1	End	543
Name	OJ990616_08.0103.C84.o1.gs	Method	GENSCAN
Start	151	End	543
GI	none	Score	.93
Exons	151..543		

Seq. No.	17853	Seq. ID	OJ990616_08.0103.C85
Gene No.	37403	Strand	-

Start	1	End	214
Name	OJ990616_08.0103.C85.o1.gp	Method	AAT/GAP
Start	1	End	214
GI	38270_1.R1084	Score	338
Exons	1..214		
GI Descrip.	'3559805/emb\|CAA07251\| 3.0e-21 (AJ006787) putative phytochelatin synthetase [Arabidopsis thaliana]'		

Seq. No.	17854	Seq. ID	OJ990616_08.0103.C87
Gene No.	37404	Strand	-
Start	1	End	334
Name	OJ990616_08.0103.C87.o1.np	Method	AAT/NAP
Start	1	End	334
GI	1354849	Score	200
Exons	1..67, 132..334		
GI Descrip.	(U57350) epoxide hydrolase [Nicotiana tabacum]		

Seq. No.	17854	Seq. ID	OJ990616_08.0103.C87
Gene No.	37404	Strand	-
Start	1	End	334
Name	OJ990616_08.0103.C87.o1.tm	Method	TBLASTX:Maize
Start	122	End	334
GI	none	Score	172
Exons	122..334, 123..332, 140..334		

Seq. No.	17854	Seq. ID	OJ990616_08.0103.C87
Gene No.	37404	Strand	-
Start	1	End	334
Name	OJ990616_08.0103.C87.o1.ts	Method	TBLASTX:Soybean
Start	131	End	334
GI	none	Score	158
Exons	131..334, 132..332		

Seq. No.	17854	Seq. ID	OJ990616_08.0103.C87
Gene No.	37404	Strand	-
Start	1	End	334
Name	OJ990616_08.0103.C87.o1.gp	Method	AAT/GAP
Start	132	End	211
GI	uC-osroM202031e06b1	Score	108
Exons	132..211		
GI Descrip.	'4454471/gb\|AAD20918\| 2.0e-21 (AC006234) putative G protein coupled receptor [Arabidopsis thaliana]'		

Seq. No.	17854	Seq. ID	OJ990616_08.0103.C87
Gene No.	37404	Strand	-
Start	1	End	334
Name	OJ990616_08.0103.C87.o1.tw	Method	TBLASTX:Wheat
Start	162	End	334
GI	none	Score	150
Exons	162..332, 162..314, 164..334		

Seq. No.	17855	Seq. ID	OJ990616_08.0103.C89
Gene No.	37405	Strand	+
Start	1	End	439
Name	OJ990616_08.0103.C89.o1.np	Method	AAT/NAP
Start	1	End	439
GI	3738308	Score	88

Exons	1..83, 351..439		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		
Seq. No.	17855	Seq. ID	OJ990616_08.0103.C89
Gene No.	37406	Strand	+
Start	349	End	439
Name	OJ990616_08.0103.C89.o1.gp	Method	AAT/GAP
Start	349	End	439
GI	5667191	Score	163
Exons	349..439		
GI Descrip.	4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]		
Seq. No.	17856	Seq. ID	OJ990616_08.0103.C91
Gene No.	37407	Strand	+
Start	270	End	343
Name	OJ990616_08.0103.C91.o1.gs	Method	GENSCAN
Start	270	End	343
GI	none	Score	.53
Exons	270..343		
Seq. No.	17857	Seq. ID	OJ990826_07.0103.C1
Gene No.	37408	Strand	+
Start	2635	End	3152
Name	OJ990826_07.0103.C1.o1.gp	Method	AAT/GAP
Start	2635	End	3152
GI	55901_1.R1084	Score	928
Exons	2635..3152		
GI Descrip.	'1504012/dbj\|BAA13205\| 6.0e-17 (D86969) similar to Human zinc-finger protein, BR140(P1:JC2069) [Homo sapiens] >gi_5805248_gb_AAD51905.1_ (AF127774) unknown [Homo sapiens]'		
Seq. No.	17857	Seq. ID	OJ990826_07.0103.C1
Gene No.	37409	Strand	-
Start	1	End	6423
Name	OJ990826_07.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	6423
GI	6437534	Score	567
Exons	1..115, 173..260, 357..725, 804..889, 2772..3456, 3558..4040, 6291..6423		
GI Descrip.	(AC012193) putative phorbol ester / diacylglycerol binding protein [Arabidopsis thaliana]		
Seq. No.	17857	Seq. ID	OJ990826_07.0103.C1
Gene No.	37409	Strand	-
Start	1	End	6423
Name	OJ990826_07.0103.C1.o1.gs	Method	GENSCAN
Start	177	End	5074
GI	none	Score	.62
Exons	177..260, 357..725, 804..889, 2772..4167, 4483..4523, 5020..5074		
Seq. No.	17857	Seq. ID	OJ990826_07.0103.C1
Gene No.	37410	Strand	-
Start	7245	End	7490
Name	OJ990826_07.0103.C1.o2.gs	Method	GENSCAN
Start	7245	End	7490
GI	none	Score	.74

Exons	7245..7490		
Seq. No.	17858	Seq. ID	OJ990826_07.0103.C2
Gene No.	37411	Strand	+
Start	57	End	512
Name	OJ990826_07.0103.C2.o1.gs	Method	GENSCAN
Start	57	End	512
GI	none	Score	1
Exons	57..512		
Seq. No.	17858	Seq. ID	OJ990826_07.0103.C2
Gene No.	37412	Strand	+
Start	2916	End	2970
Name	OJ990826_07.0103.C2.o1.gp	Method	AAT/GAP
Start	2916	End	2970
GI	4963_1.R1084	Score	67
Exons	2916..2970		
GI Descrip.	'5824411/emb\|CAA93107.2\| 2.0e-54 (Z68882) Similarity to Bovine inorganic pyrophosphatase (SW:IPYR_BOVIN); cDNA EST EMBL:D66533 comes from this gene; cDNA EST EMBL:D70345 comes from this gene; cDNA EST yk338a8.3 comes from this gene; cDNA EST yk338a8.5 comes '		
Seq. No.	17858	Seq. ID	OJ990826_07.0103.C2
Gene No.	37413	Strand	-
Start	1538	End	2645
Name	OJ990826_07.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	294	End	526
GI	none	Score	245
Exons	294..518, 294..515, 323..526		
Seq. No.	17858	Seq. ID	OJ990826_07.0103.C2
Gene No.	37413	Strand	-
Start	1538	End	2645
Name	OJ990826_07.0103.C2.o2.gs	Method	GENSCAN
Start	1538	End	2645
GI	none	Score	.63
Exons	1538..1560, 2402..2645		
Seq. No.	17859	Seq. ID	OJ990826_07.0103.C3
Gene No.	37414	Strand	+
Start	1	End	1732
Name	OJ990826_07.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	1732
GI	6437534	Score	296
Exons	1..297, 631..768, 1110..1166, 1468..1527, 1680..1732		
GI Descrip.	(AC012193) putative phorbol ester / diacylglycerol binding protein [Arabidopsis thaliana]		
Seq. No.	17859	Seq. ID	OJ990826_07.0103.C3
Gene No.	37414	Strand	+
Start	1	End	1732
Name	OJ990826_07.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	1530
GI	none	Score	209
Exons	1..168, 45..167, 243..299, 244..297, 477..530, 484..537, 486..536, 625..768, 630..761, 645..770, 1101..1169, 1434..1526,		

1462..1527, 1468..1530

Seq. No.	17859	Seq. ID	OJ990826_07.0103.C3
Gene No.	37414	Strand	+
Start	1	End	1732
Name	OJ990826_07.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	472	End	753
GI	none	Score	66
Exons	472..555, 624..749, 624..752, 631..753		

Seq. No.	17859	Seq. ID	OJ990826_07.0103.C3
Gene No.	37414	Strand	+
Start	1	End	1732
Name	OJ990826_07.0103.C3.o1.gs	Method	GENSCAN
Start	631	End	1527
GI	none	Score	.83
Exons	631..768, 1468..1527		

Seq. No.	17860	Seq. ID	OJ990826_07.0103.C4
Gene No.	37415	Strand	+
Start	1	End	3549
Name	OJ990826_07.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	733
GI	6573754	Score	185
Exons	1..305, 377..733		
GI Descrip.	(AC009243) F28K19.1 [Arabidopsis thaliana]		

Seq. No.	17860	Seq. ID	OJ990826_07.0103.C4
Gene No.	37415	Strand	+
Start	1	End	3549
Name	OJ990826_07.0103.C4.o1.gs	Method	GENSCAN
Start	72	End	3549
GI	none	Score	.62
Exons	72..305, 380..539, 3067..3175, 3423..3549		

Seq. No.	17860	Seq. ID	OJ990826_07.0103.C4
Gene No.	37415	Strand	+
Start	1	End	3549
Name	OJ990826_07.0103.C4.o1.gp	Method	AAT/GAP
Start	603	End	954
GI	none	Score	645
Exons	603..954		

Seq. No.	17860	Seq. ID	OJ990826_07.0103.C4
Gene No.	37416	Strand	-
Start	3989	End	6143
Name	OJ990826_07.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	459
GI	none	Score	233
Exons	2..259, 2..259, 3..314, 246..356, 266..304, 362..451, 368..457, 382..459		

Seq. No.	17860	Seq. ID	OJ990826_07.0103.C4
Gene No.	37416	Strand	-
Start	3989	End	6143
Name	OJ990826_07.0103.C4.o2.gs	Method	GENSCAN
Start	3989	End	6143

GI	none	Score	.49
Exons	3989..4467, 4540..4687, 4701..5051, 5147..5289, 5681..5964, 6064..6143		

Seq. No.	17861	Seq. ID	OJ990826_07.0103.C5
Gene No.	37417	Strand	+
Start	1	End	2237
Name	OJ990826_07.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	2237
GI	4263831	Score	663
Exons	1..82, 406..1433, 1964..2237		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	17861	Seq. ID	OJ990826_07.0103.C5
Gene No.	37417	Strand	+
Start	1	End	2237
Name	OJ990826_07.0103.C5.o1.gs	Method	GENSCAN
Start	112	End	2154
GI	none	Score	.59
Exons	112..888, 1331..1774, 1822..2154		

Seq. No.	17861	Seq. ID	OJ990826_07.0103.C5
Gene No.	37417	Strand	+
Start	1	End	2237
Name	OJ990826_07.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	352	End	717
GI	none	Score	137
Exons	352..576, 583..717		

Seq. No.	17861	Seq. ID	OJ990826_07.0103.C5
Gene No.	37417	Strand	+
Start	1	End	2237
Name	OJ990826_07.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	514	End	918
GI	none	Score	81
Exons	514..570, 519..560, 565..918, 573..917, 574..918		

Seq. No.	17861	Seq. ID	OJ990826_07.0103.C5
Gene No.	37417	Strand	+
Start	1	End	2237
Name	OJ990826_07.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	568	End	786
GI	none	Score	272
Exons	568..786, 573..785		

Seq. No.	17861	Seq. ID	OJ990826_07.0103.C5
Gene No.	37417	Strand	+
Start	1	End	2237
Name	OJ990826_07.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	787	End	1261
GI	none	Score	194
Exons	787..924, 787..918, 789..923, 947..1261, 949..1062, 1135..1260		

Seq. No.	17861	Seq. ID	OJ990826_07.0103.C5
Gene No.	37417	Strand	+
Start	1	End	2237

Name	OJ990826_07.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	947	End	1417
GI	none	Score	206
Exons	947..1228, 985..1059, 1229..1417, 1261..1404		

Seq. No.	17861	Seq. ID	OJ990826_07.0103.C5
Gene No.	37417	Strand	+
Start	1	End	2237
Name	OJ990826_07.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	950	End	1330
GI	none	Score	186
Exons	950..1234, 1229..1330		

Seq. No.	17861	Seq. ID	OJ990826_07.0103.C5
Gene No.	37417	Strand	+
Start	1	End	2237
Name	OJ990826_07.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	1568	End	1985
GI	none	Score	41
Exons	1568..1609, 1621..1710, 1622..1714, 1735..1821, 1736..1819, 1833..1985, 1834..1977		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37418	Strand	+
Start	1	End	1131
Name	OJ990826_07.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	838
GI	4544372	Score	376
Exons	1..838		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37418	Strand	+
Start	1	End	1131
Name	OJ990826_07.0103.C6.o2.np	Method	AAT/NAP
Start	1	End	1131
GI	629693	Score	391
Exons	1..841, 1087..1131		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37418	Strand	+
Start	1	End	1131
Name	OJ990826_07.0103.C6.o1.gs	Method	GENSCAN
Start	3	End	344
GI	none	Score	.67
Exons	3..344		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37419	Strand	+
Start	8075	End	8742
Name	OJ990826_07.0103.C6.o3.gs	Method	GENSCAN
Start	8075	End	8742
GI	none	Score	1
Exons	8075..8108, 8273..8742		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37419	Strand	+
Start	8075	End	8742
Name	OJ990826_07.0103.C6.o3.np	Method	AAT/NAP
Start	8383	End	8628
GI	2995951	Score	215
Exons	8383..8628		
GI Descrip.	(AF053564) auxin-induced protein [Mesembryanthemum crystallinum]		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37420	Strand	+
Start	8932	End	13603
Name	OJ990826_07.0103.C6.o4.np	Method	AAT/NAP
Start	8932	End	13603
GI	6069646	Score	147
Exons	8932..8960, 13358..13603		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37421	Strand	-
Start	1444	End	4449
Name	OJ990826_07.0103.C6.o2.gs	Method	GENSCAN
Start	1444	End	4449
GI	none	Score	.61
Exons	1444..1905, 2018..2134, 2413..2634, 2833..3143, 3155..3524, 4399..4449		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37422	Strand	-
Start	8211	End	8433
Name	OJ990826_07.0103.C6.o1.gp	Method	AAT/GAP
Start	8211	End	8433
GI	LIB3432-023-P1-K1-F6	Score	361
Exons	8211..8433		
GI Descrip.	'3850581 1.0e-26 (AC005278) EST gb_N96383 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37423	Strand	-
Start	13798	End	14269
Name	OJ990826_07.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	417	End	823
GI	none	Score	127
Exons	417..656, 425..508, 607..789, 632..823		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37423	Strand	-
Start	13798	End	14269
Name	OJ990826_07.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	629	End	852
GI	none	Score	208
Exons	629..844, 646..732, 659..838, 811..852		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37423	Strand	-
Start	13798	End	14269
Name	OJ990826_07.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	8470	End	8619
GI	none	Score	184
Exons	8470..8619		

Seq. No.	17862	Seq. ID	OJ990826_07.0103.C6
Gene No.	37423	Strand	-
Start	13798	End	14269
Name	OJ990826_07.0103.C6.o5.np	Method	AAT/NAP
Start	13798	End	14269
GI	6069646	Score	95
Exons	13798..14124, 14199..14269		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	17863	Seq. ID	OJ990826_07.0103.C7
Gene No.	37424	Strand	-
Start	1762	End	4585
Name	OJ990826_07.0103.C7.o1.gp	Method	AAT/GAP
Start	1762	End	2967
GI	none	Score	1205
Exons	1762..2106, 2499..2530, 2608..2769, 2860..2967		

Seq. No.	17863	Seq. ID	OJ990826_07.0103.C7
Gene No.	37424	Strand	-
Start	1762	End	4585
Name	OJ990826_07.0103.C7.o2.ts	Method	TBLASTX:Soybean
Start	2470	End	2985
GI	none	Score	66
Exons	2470..2556, 2610..2774, 2611..2676, 2719..2775, 2862..2984, 2863..2985		

Seq. No.	17863	Seq. ID	OJ990826_07.0103.C7
Gene No.	37424	Strand	-
Start	1762	End	4585
Name	OJ990826_07.0103.C7.o1.np	Method	AAT/NAP
Start	2607	End	4585
GI	6552732	Score	878
Exons	2607..2769, 2860..2977, 3910..4585		
GI Descrip.	(AC013482) T26F17.10 [Arabidopsis thaliana]		

Seq. No.	17863	Seq. ID	OJ990826_07.0103.C7
Gene No.	37424	Strand	-
Start	1762	End	4585
Name	OJ990826_07.0103.C7.o2.tc	Method	TBLASTX:Cress
Start	2610	End	2930
GI	none	Score	86
Exons	2610..2789, 2848..2925, 2865..2930		

Seq. No.	17863	Seq. ID	OJ990826_07.0103.C7

Gene No.	37424	Strand	-
Start	1762	End	4585
Name	OJ990826_07.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	2620	End	2946
GI	none	Score	129
Exons	2620..2775, 2621..2767, 2622..2774, 2860..2946, 2862..2945		

Seq. No.	17863	Seq. ID	OJ990826_07.0103.C7
Gene No.	37424	Strand	-
Start	1762	End	4585
Name	OJ990826_07.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	3953	End	4507
GI	none	Score	54
Exons	3953..4012, 3954..4010, 4010..4132, 4011..4124, 4154..4507, 4263..4505		

Seq. No.	17863	Seq. ID	OJ990826_07.0103.C7
Gene No.	37424	Strand	-
Start	1762	End	4585
Name	OJ990826_07.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	4043	End	4517
GI	none	Score	132
Exons	4043..4516, 4044..4181, 4263..4517		

Seq. No.	17863	Seq. ID	OJ990826_07.0103.C7
Gene No.	37424	Strand	-
Start	1762	End	4585
Name	OJ990826_07.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	4274	End	4508
GI	none	Score	63
Exons	4274..4507, 4413..4508		

Seq. No.	17864	Seq. ID	OJ990826_07.0103.C8
Gene No.	37425	Strand	-
Start	5019	End	6295
Name	OJ990826_07.0103.C8.o2.gs	Method	GENSCAN
Start	5019	End	6295
GI	none	Score	.84
Exons	5019..5033, 5942..6295		

Seq. No.	17864	Seq. ID	OJ990826_07.0103.C8
Gene No.	37426	Strand	-
Start	8059	End	8518
Name	OJ990826_07.0103.C8.o3.gs	Method	GENSCAN
Start	8059	End	8518
GI	none	Score	.72
Exons	8059..8518		

Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9
Gene No.	37427	Strand	+
Start	324	End	1180
Name	OJ990826_07.0103.C9.o1.gs	Method	GENSCAN
Start	324	End	1180
GI	none	Score	.47
Exons	324..908, 1067..1180		

Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9

Gene No.	37428	Strand	+
Start	7122	End	11059
Name	OJ990826_07.0103.C9.o3.gs	Method	GENSCAN
Start	7122	End	10132
GI	none	Score	.89
Exons	7122..7271, 7277..7441, 7691..8002, 8089..8559, 8839..8950, 9690..10132		

Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9
Gene No.	37428	Strand	+
Start	7122	End	11059
Name	OJ990826_07.0103.C9.o1.np	Method	AAT/NAP
Start	7700	End	11059
GI	4680199	Score	842
Exons	7700..7993, 8043..8600, 8922..9604, 9690..9807, 9976..10129, 11024..11059		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9
Gene No.	37429	Strand	-
Start	1427	End	6885
Name	OJ990826_07.0103.C9.o2.gs	Method	GENSCAN
Start	1427	End	6885
GI	none	Score	.68
Exons	1427..1504, 2653..2816, 2861..2952, 3045..3158, 4626..4752, 5756..5866, 6648..6885		

Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9
Gene No.	37430	Strand	-
Start	10705	End	11019
Name	OJ990826_07.0103.C9.o3.tm	Method	TBLASTX:Maize
Start	7817	End	8013
GI	none	Score	226
Exons	7817..8002, 7826..7993, 7828..8013, 7828..8007		

Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9
Gene No.	37430	Strand	-
Start	10705	End	11019
Name	OJ990826_07.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	8338	End	8604
GI	none	Score	304
Exons	8338..8604, 8338..8580, 8403..8603		

Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9
Gene No.	37430	Strand	-
Start	10705	End	11019
Name	OJ990826_07.0103.C9.o4.tm	Method	TBLASTX:Maize
Start	9117	End	9357
GI	none	Score	151
Exons	9117..9266, 9118..9291, 9130..9273, 9161..9292, 9289..9357		

Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9
Gene No.	37430	Strand	-
Start	10705	End	11019
Name	OJ990826_07.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	9241	End	9606
GI	none	Score	268

Exons	9241..9606, 9300..9398, 9462..9551		
Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9
Gene No.	37430	Strand	-
Start	10705	End	11019
Name	OJ990826_07.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	9352	End	9838
GI	none	Score	170
Exons	9352..9612, 9689..9781, 9794..9838		
Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9
Gene No.	37430	Strand	-
Start	10705	End	11019
Name	OJ990826_07.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	9360	End	9892
GI	none	Score	212
Exons	9360..9563, 9361..9573, 9680..9892, 9700..9888		
Seq. No.	17865	Seq. ID	OJ990826_07.0103.C9
Gene No.	37430	Strand	-
Start	10705	End	11019
Name	OJ990826_07.0103.C9.o4.gs	Method	GENSCAN
Start	10705	End	11019
GI	none	Score	.69
Exons	10705..11019		
Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37431	Strand	+
Start	416	End	3562
Name	OJ990826_07.0103.C10.o1.gs	Method	GENSCAN
Start	416	End	3562
GI	none	Score	.77
Exons	416..501, 711..857, 1037..1096, 1682..1710, 2388..2792, 2959..3043, 3416..3562		
Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37432	Strand	+
Start	6523	End	9846
Name	OJ990826_07.0103.C10.o3.gs	Method	GENSCAN
Start	6523	End	9846
GI	none	Score	.92
Exons	6523..7406, 7952..8036, 8147..8209, 8475..8551, 8677..8752, 8839..8898, 9195..9299, 9667..9846		
Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37433	Strand	+
Start	36182	End	41003
Name	OJ990826_07.0103.C10.o8.gs	Method	GENSCAN
Start	36182	End	41003
GI	none	Score	.84
Exons	36182..36195, 36606..37155, 37320..37469, 37715..38152, 38255..38368, 38473..39028, 40858..41003		
Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37433	Strand	+
Start	36182	End	41003
Name	OJ990826_07.0103.C10.o3.np	Method	AAT/NAP

Start	36661	End	38781
GI	6715734	Score	419
Exons	36661..36942, 37320..37469, 37774..38001, 38105..38152, 38255..38368, 38473..38781		
GI Descrip.	(AC016447) putative DNA binding protein [Arabidopsis thaliana]		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37434	Strand	+
Start	42970	End	43085
Name	OJ990826_07.0103.C10.o5.gp	Method	AAT/GAP
Start	42970	End	43085
GI	571821	Score	203
Exons	42970..43085		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37435	Strand	-
Start	4171	End	5513
Name	OJ990826_07.0103.C10.o2.gs	Method	GENSCAN
Start	4171	End	5513
GI	none	Score	.63
Exons	4171..4609, 5199..5272, 5313..5513		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37436	Strand	-
Start	10602	End	12209
Name	OJ990826_07.0103.C10.o1.np	Method	AAT/NAP
Start	10602	End	12209
GI	6850304	Score	1091
Exons	10602..10664, 10779..12209		
GI Descrip.	(AC009999) Contains similarity to a hypothetical protein from Arabidopsis thaliana gb\|AC007109.6, and contains two DUF17 PF\|01535 domains.		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37437	Strand	-
Start	12765	End	16465
Name	OJ990826_07.0103.C10.o1.gp	Method	AAT/GAP
Start	12765	End	14488
GI	3678_1.R1084	Score	1006
Exons	12765..13083, 13634..13708, 13924..13997, 14397..14488		
GI Descrip.	'2511594/emb\|CAA74028.1\| 3.0e-35 (Y13694) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] >gi_2827525_emb_CAA16533.1_ (AL021633) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] >gi_3421099 (AF043529) 20S proteasome subunit PBA1 [Arabidopsis thaliana]'		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37437	Strand	-
Start	12765	End	16465
Name	OJ990826_07.0103.C10.o2.np	Method	AAT/NAP
Start	12955	End	16118
GI	2511594	Score	763
Exons	12955..13083, 13634..13708, 13924..13997, 14397..14508, 14693..14765, 14891..14946, 15263..15339, 16016..16118		
GI Descrip.	(Y13694) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana]		

gi|2827525|emb|CAA16533.1| (AL021633) multicatalytic endopeptidase complex, proteasome precursor, beta subunit [Arabidopsis thaliana] gi|3421099 (AF043529) 20S proteasome subunit PBA1 [Arabidopsis thaliana]

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37437	Strand	-
Start	12765	End	16465
Name	OJ990826_07.0103.C10.o2.gp	Method	AAT/GAP
Start	14681	End	16465
GI	7094_1.R1084	Score	785
Exons	14681..14765, 14891..14946, 15263..15339, 16016..16255, 16411..16465		
GI Descrip.	'3024440/sp\|P93395\|PRCD_TOBAC 2.0e-37 PROTEASOME DELTA CHAIN PRECURSOR (MULTICATALYTIC ENDOPEPTIDASE COMPLEX DELTA CHAIN) >gi_1743356_emb_CAA70699_ (Y09505) proteasome delta subunit [Nicotiana tabacum]'		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37438	Strand	-
Start	18271	End	21488
Name	OJ990826_07.0103.C10.o5.gs	Method	GENSCAN
Start	18271	End	21488
GI	none	Score	.82
Exons	18271..18438, 18589..19257, 19462..19518, 20031..20388, 20850..20947, 21106..21321, 21339..21488		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37439	Strand	-
Start	21822	End	23845
Name	OJ990826_07.0103.C10.o3.gp	Method	AAT/GAP
Start	21822	End	23845
GI	uC-osrocyp031e01b1	Score	520
Exons	21822..22039, 23721..23845		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37440	Strand	-
Start	26743	End	34724
Name	OJ990826_07.0103.C10.o7.gs	Method	GENSCAN
Start	26743	End	34724
GI	none	Score	.44
Exons	26743..26864, 27552..27776, 30247..30277, 30344..30497, 30568..30905, 31171..31740, 31822..31997, 32772..33002, 33630..33685, 34690..34724		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o3.tm	Method	TBLASTX:Maize
Start	3178	End	8755
GI	none	Score	75
Exons	3178..3261, 3419..3514, 3516..3551, 3745..3834, 3755..3832, 3756..3839, 7270..7407, 7308..7406, 7953..8033, 7967..8041, 8144..8209, 8145..8228, 8391..8558, 8391..8543, 8393..8560, 8668..8751, 8669..8755		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o3.ts	Method	TBLASTX:Soybean
Start	3217	End	8728
GI	none	Score	65
Exons	3217..3270, 3428..3514, 3495..3551, 3756..3809, 8156..8206, 8376..8558, 8393..8539, 8668..8727, 8669..8728		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o2.tc	Method	TBLASTX:Cress
Start	3428	End	9843
GI	none	Score	76
Exons	3428..3511, 3495..3551, 3755..3832, 3756..3830, 3766..3831, 5403..5480, 5405..5479, 5564..5728, 5581..5727, 7332..7394, 7336..7404, 7953..8033, 8147..8209, 8391..8558, 8393..8527, 8666..8749, 8674..8751, 8824..8901, 8826..8903, 9213..9296, 9222..9314, 9672..9821, 9673..9843		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o4.tm	Method	TBLASTX:Maize
Start	3975	End	9831
GI	none	Score	78
Exons	3975..4019, 5396..5479, 5402..5476, 5403..5495, 5404..5496, 5567..5722, 8836..8901, 9207..9299, 9227..9298, 9637..9831, 9663..9827		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o5.ts	Method	TBLASTX:Soybean
Start	5403	End	9828
GI	none	Score	104
Exons	5403..5480, 5564..5722, 8729..8749, 8824..8901, 8878..8964, 9201..9296, 9223..9297, 9666..9827, 9673..9828		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o3.tc	Method	TBLASTX:Cress
Start	10749	End	11187
GI	none	Score	106
Exons	10749..11183, 10780..10947, 11044..11187		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	10764	End	11747
GI	none	Score	191
Exons	10764..11609, 11047..11652, 11274..11615, 11308..11628, 11364..11705, 11505..11747		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	10779	End	11315
GI	none	Score	78
Exons	10779..11315, 10780..10962		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o1.tw	Method	TBLASTX:Wheat
Start	11170	End	12008
GI	none	Score	122
Exons	11170..11379, 11172..11645, 11413..11610, 11562..11753, 11967..12008		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o1.tc	Method	TBLASTX:Cress
Start	11196	End	11900
GI	none	Score	68
Exons	11196..11303, 11220..11447, 11310..11900, 11311..11472, 11319..11600, 11530..11871		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o4.ts	Method	TBLASTX:Soybean
Start	11319	End	11822
GI	none	Score	108
Exons	11319..11456, 11376..11753, 11536..11754, 11715..11822		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o5.tm	Method	TBLASTX:Maize
Start	12938	End	13990
GI	none	Score	140
Exons	12938..13072, 12940..13083, 12940..13083, 12942..13085, 13625..13711, 13626..13709, 13631..13711, 13921..13986, 13924..13989, 13925..13990		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o5.tc	Method	TBLASTX:Cress
Start	12952	End	13983
GI	none	Score	87
Exons	12952..13083, 12953..13072, 12961..13074, 13625..13711, 13629..13706, 13924..13983		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203

Name	OJ990826_07.0103.C10.o3.tw	Method	TBLASTX:Wheat
Start	13943	End	15325
GI	none	Score	68
Exons	13943..13999, 13945..14007, 14395..14511, 14396..14506, 14693..14791, 14693..14764, 14694..14795, 14890..14946, 14891..14947, 15257..15325, 15263..15325		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o6.tm	Method	TBLASTX:Maize
Start	14393	End	16137
GI	none	Score	214
Exons	14393..14509, 14395..14511, 14396..14509, 14630..14764, 14693..14764, 14694..14768, 14694..14765, 14890..14946, 14891..14947, 15257..15340, 15262..15339, 15264..15341, 15998..16033, 16011..16136, 16012..16137		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	18387	End	19530
GI	none	Score	106
Exons	18387..18506, 18387..18497, 18391..18504, 18584..18952, 18589..19047, 18635..18949, 18639..19043, 19151..19255, 19152..19256, 19153..19257, 19154..19258, 19331..19372, 19333..19383, 19450..19530		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o2.tw	Method	TBLASTX:Wheat
Start	38221	End	38544
GI	none	Score	208
Exons	38221..38370, 38255..38371, 38261..38371, 38454..38543, 38470..38544		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o2.ts	Method	TBLASTX:Soybean
Start	38254	End	38544
GI	none	Score	207
Exons	38254..38370, 38255..38371, 38436..38543, 38470..38544		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o4.tc	Method	TBLASTX:Cress
Start	38254	End	38544
GI	none	Score	208
Exons	38254..38370, 38255..38371, 38454..38543, 38470..38544		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203

Name	OJ990826_07.0103.C10.o7.tm	Method	TBLASTX:Maize
Start	38255	End	38544
GI	none	Score	181
Exons	38255..38398, 38255..38371, 38257..38418, 38499..38543, 38500..38544		

Seq. No.	17866	Seq. ID	OJ990826_07.0103.C10
Gene No.	37441	Strand	-
Start	42567	End	43203
Name	OJ990826_07.0103.C10.o9.gs	Method	GENSCAN
Start	42567	End	43203
GI	none	Score	.63
Exons	42567..42768, 43022..43203		

Seq. No.	17867	Seq. ID	OJ990826_07.0103.C11
Gene No.	37442	Strand	+
Start	97	End	163
Name	OJ990826_07.0103.C11.o1.gs	Method	GENSCAN
Start	97	End	163
GI	none	Score	.61
Exons	97..163		

Seq. No.	17868	Seq. ID	OJ990826_03.0103.C1
Gene No.	37443	Strand	+
Start	106	End	1709
Name	OJ990826_03.0103.C1.o1.gs	Method	GENSCAN
Start	106	End	1709
GI	none	Score	.8
Exons	106..234, 1632..1709		

Seq. No.	17868	Seq. ID	OJ990826_03.0103.C1
Gene No.	37444	Strand	-
Start	1	End	1820
Name	OJ990826_03.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	1820
GI	5295955	Score	257
Exons	1..578, 1323..1443, 1752..1820		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	17868	Seq. ID	OJ990826_03.0103.C1
Gene No.	37444	Strand	-
Start	1	End	1820
Name	OJ990826_03.0103.C1.o1.gp	Method	AAT/GAP
Start	803	End	883
GI	LIB3434-017-P1-K1-F5	Score	91
Exons	803..883		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	17869	Seq. ID	OJ990826_03.0103.C3
Gene No.	37445	Strand	-
Start	31	End	160
Name	OJ990826_03.0103.C3.o1.gs	Method	GENSCAN
Start	31	End	160
GI	none	Score	.75
Exons	31..160		

Seq. No.	17870	Seq. ID	OJ990826_03.0103.C4
Gene No.	37446	Strand	-
Start	1	End	216
Name	OJ990826_03.0103.C4.o1.gp	Method	AAT/GAP
Start	1	End	216
GI	2428323	Score	363
Exons	1..216		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	17871	Seq. ID	OJ990826_03.0103.C5
Gene No.	37447	Strand	-
Start	247	End	838
Name	OJ990826_03.0103.C5.o1.gs	Method	GENSCAN
Start	247	End	838
GI	none	Score	.65
Exons	247..468, 564..838		

Seq. No.	17872	Seq. ID	OJ990826_03.0103.C7
Gene No.	37448	Strand	+
Start	1	End	515
Name	OJ990826_03.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	515
GI	6815109	Score	169
Exons	1..347, 381..515		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	17872	Seq. ID	OJ990826_03.0103.C7
Gene No.	37448	Strand	+
Start	1	End	515
Name	OJ990826_03.0103.C7.o1.gs	Method	GENSCAN
Start	16	End	92
GI	none	Score	1
Exons	16..92		

Seq. No.	17873	Seq. ID	OJ990826_03.0103.C9
Gene No.	37449	Strand	-
Start	56	End	101
Name	OJ990826_03.0103.C9.o1.gs	Method	GENSCAN
Start	56	End	101
GI	none	Score	.57
Exons	56..101		

Seq. No.	17874	Seq. ID	OJ990826_03.0103.C10
Gene No.	37450	Strand	-
Start	2303	End	3358
Name	OJ990826_03.0103.C10.o1.gs	Method	GENSCAN
Start	2303	End	3358
GI	none	Score	.87
Exons	2303..2500, 2680..2941, 2988..3358		

Seq. No.	17874	Seq. ID	OJ990826_03.0103.C10
Gene No.	37451	Strand	-
Start	4543	End	6416
Name	OJ990826_03.0103.C10.o2.gs	Method	GENSCAN
Start	4543	End	6416

GI	none	Score	.83
Exons	4543..4548, 6351..6416		

Seq. No.	17874	Seq. ID	OJ990826_03.0103.C10
Gene No.	37451	Strand	-
Start	4543	End	6416
Name	OJ990826_03.0103.C10.o1.gp	Method	AAT/GAP
Start	5063	End	5121
GI	4715947	Score	68
Exons	5063..5121		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	17875	Seq. ID	OJ990826_03.0103.C11
Gene No.	37452	Strand	+
Start	83	End	358
Name	OJ990826_03.0103.C11.o1.gs	Method	GENSCAN
Start	83	End	358
GI	none	Score	.81
Exons	83..358		

Seq. No.	17875	Seq. ID	OJ990826_03.0103.C11
Gene No.	37453	Strand	-
Start	2383	End	9002
Name	OJ990826_03.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	2351	End	3171
GI	none	Score	130
Exons	2351..2503, 2380..2502, 2585..2707, 2596..2706, 2652..2708, 2803..2877, 2805..2876, 2974..3171, 2975..3136		

Seq. No.	17875	Seq. ID	OJ990826_03.0103.C11
Gene No.	37453	Strand	-
Start	2383	End	9002
Name	OJ990826_03.0103.C11.o1.np	Method	AAT/NAP
Start	2383	End	9002
GI	1655930	Score	598
Exons	2383..2505, 2596..2694, 2805..2876, 2971..3501, 3634..3746, 3901..4000, 4121..4240, 4327..4394, 4520..4669, 4774..4917, 5156..5199, 8976..9002		
GI Descrip.	(U66564) RUSH-1alpha [Oryctolagus cuniculus]		

Seq. No.	17875	Seq. ID	OJ990826_03.0103.C11
Gene No.	37453	Strand	-
Start	2383	End	9002
Name	OJ990826_03.0103.C11.o2.gs	Method	GENSCAN
Start	2383	End	8176
GI	none	Score	.85
Exons	2383..2505, 2596..2694, 2977..3550, 3634..3746, 3901..3977, 4520..4547, 4774..4917, 5156..5347, 5769..5853, 5951..6102, 6197..6355, 6611..6664, 6757..6895, 7014..7147, 7259..8176		

Seq. No.	17875	Seq. ID	OJ990826_03.0103.C11
Gene No.	37453	Strand	-
Start	2383	End	9002

Name	OJ990826_03.0103.C11.o2.tm	Method	TBLASTX:Maize
Start	3628	End	4888
GI	none	Score	161
Exons	3628..3747, 3634..3747, 3636..3749, 3636..3749, 3644..3751, 3898..4008, 3900..4001, 3900..4016, 3901..4008, 4117..4245, 4120..4245, 4125..4250, 4263..4400, 4311..4400, 4472..4663, 4512..4670, 4522..4671, 4540..4671, 4777..4887, 4779..4886, 4793..4888		

Seq. No.	17875	Seq. ID	OJ990826_03.0103.C11
Gene No.	37453	Strand	-
Start	2383	End	9002
Name	OJ990826_03.0103.C11.o3.tm	Method	TBLASTX:Maize
Start	5154	End	6006
GI	none	Score	113
Exons	5154..5246, 5154..5246, 5156..5269, 5156..5272, 5252..5347, 5253..5348, 5271..5348, 5273..5356, 5766..5855, 5766..5855, 5770..5856, 5770..5862, 5934..5984, 5935..6006, 5936..5995		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37454	Strand	+
Start	11885	End	12195
Name	OJ990826_03.0103.C12.o2.gp	Method	AAT/GAP
Start	11885	End	12195
GI	2312818	Score	538
Exons	11885..12195		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37455	Strand	+
Start	12279	End	13018
Name	OJ990826_03.0103.C12.o3.gp	Method	AAT/GAP
Start	12279	End	13018
GI	101153_1.R1084	Score	568
Exons	12279..12468, 12786..13018		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37455	Strand	+
Start	12279	End	13018
Name	OJ990826_03.0103.C12.o4.gp	Method	AAT/GAP
Start	12282	End	13016
GI	101153_1.R1084	Score	564
Exons	12282..12468, 12786..13016		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37456	Strand	+
Start	13034	End	13463
Name	OJ990826_03.0103.C12.o5.gp	Method	AAT/GAP
Start	13034	End	13463
GI	2428185	Score	805
Exons	13034..13463		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37457	Strand	-
Start	286	End	5235
Name	OJ990826_03.0103.C12.o1.gs	Method	GENSCAN
Start	286	End	5235
GI	none	Score	.72
Exons	286..495, 1503..1601, 2876..3314, 3642..3943, 4364..4692, 5076..5235		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37457	Strand	-
Start	286	End	5235
Name	OJ990826_03.0103.C12.o1.np	Method	AAT/NAP
Start	1180	End	4543
GI	5262786	Score	757
Exons	1180..1291, 2837..3314, 3642..3943, 4364..4543		
GI Descrip.	(AL080282) putative protein [Arabidopsis thaliana]		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37457	Strand	-
Start	286	End	5235
Name	OJ990826_03.0103.C12.o1.gp	Method	AAT/GAP
Start	2288	End	2546
GI	3107013	Score	468
Exons	2288..2546		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37458	Strand	-
Start	12249	End	14431
Name	OJ990826_03.0103.C12.o2.tw	Method	TBLASTX:Wheat
Start	1590	End	2015
GI	none	Score	165
Exons	1590..1712, 1800..2015		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37458	Strand	-
Start	12249	End	14431
Name	OJ990826_03.0103.C12.o3.tm	Method	TBLASTX:Maize
Start	2310	End	2699
GI	none	Score	84
Exons	2310..2480, 2496..2699, 2506..2625		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37458	Strand	-
Start	12249	End	14431
Name	OJ990826_03.0103.C12.o1.tw	Method	TBLASTX:Wheat
Start	2319	End	2777
GI	none	Score	152
Exons	2319..2447, 2439..2777, 2449..2775		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37458	Strand	-
Start	12249	End	14431
Name	OJ990826_03.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	3236	End	3830

GI	none	Score	77
Exons	3236..3316, 3242..3316, 3636..3722, 3641..3718, 3642..3719, 3712..3804, 3714..3806, 3716..3826, 3716..3829, 3717..3830		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37458	Strand	-
Start	12249	End	14431
Name	OJ990826_03.0103.C12.o1.tc	Method	TBLASTX:Cress
Start	3639	End	4532
GI	none	Score	75
Exons	3639..3725, 3641..3718, 3713..3946, 3714..3944, 3716..3952, 4361..4396, 4362..4532, 4442..4516		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37458	Strand	-
Start	12249	End	14431
Name	OJ990826_03.0103.C12.o2.tm	Method	TBLASTX:Maize
Start	5897	End	6474
GI	none	Score	67
Exons	5897..5992, 5909..5992, 5994..6098, 6017..6232, 6046..6099, 6094..6249, 6095..6265, 6265..6417, 6265..6474		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37458	Strand	-
Start	12249	End	14431
Name	OJ990826_03.0103.C12.o2.np	Method	AAT/NAP
Start	12249	End	14431
GI	5852180	Score	330
Exons	12249..12621, 13633..13802, 14386..14431		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	17876	Seq. ID	OJ990826_03.0103.C12
Gene No.	37458	Strand	-
Start	12249	End	14431
Name	OJ990826_03.0103.C12.o6.gp	Method	AAT/GAP
Start	13986	End	14246
GI	61605_3.R1084	Score	445
Exons	13986..14246		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	17877	Seq. ID	OJ990826_03.0103.C13
Gene No.	37459	Strand	+
Start	255	End	370
Name	OJ990826_03.0103.C13.o1.gs	Method	GENSCAN
Start	255	End	370
GI	none	Score	.66
Exons	255..370		

Seq. No.	17877	Seq. ID	OJ990826_03.0103.C13
Gene No.	37460	Strand	+
Start	751	End	4010
Name	OJ990826_03.0103.C13.o1.np	Method	AAT/NAP
Start	751	End	4007
GI	5803259	Score	5174
Exons	751..2012, 2108..4007		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	17877	Seq. ID	OJ990826_03.0103.C13
Gene No.	37460	Strand	+
Start	751	End	4010
Name	OJ990826_03.0103.C13.o2.gs	Method	GENSCAN
Start	751	End	4010
GI	none	Score	.99
Exons	751..2012, 2108..4010		

Seq. No.	17877	Seq. ID	OJ990826_03.0103.C13
Gene No.	37461	Strand	-
Start	4009	End	4458
Name	OJ990826_03.0103.C13.o1.gp	Method	AAT/GAP
Start	4009	End	4458
GI	2428323	Score	810
Exons	4009..4458		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	17877	Seq. ID	OJ990826_03.0103.C13
Gene No.	37462	Strand	-
Start	4617	End	4861
Name	OJ990826_03.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	4617	End	4760
GI	none	Score	117
Exons	4617..4760, 4621..4755		

Seq. No.	17877	Seq. ID	OJ990826_03.0103.C13
Gene No.	37462	Strand	-
Start	4617	End	4861
Name	OJ990826_03.0103.C13.o3.gs	Method	GENSCAN
Start	4617	End	4742
GI	none	Score	.73
Exons	4617..4742		

Seq. No.	17877	Seq. ID	OJ990826_03.0103.C13
Gene No.	37462	Strand	-
Start	4617	End	4861
Name	OJ990826_03.0103.C13.o2.np	Method	AAT/NAP
Start	4620	End	4861
GI	6498441	Score	401
Exons	4620..4861		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37463	Strand	-
Start	1	End	5359
Name	OJ990826_03.0103.C14.o1.np	Method	AAT/NAP
Start	1	End	5359
GI	6498441	Score	6417
Exons	1..1484, 1656..2038, 2231..2571, 2746..2880, 3064..3437, 3501..3964, 4295..5359		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o7.tw	Method	TBLASTX:Wheat
Start	7	End	323
GI	none	Score	117
Exons	7..183, 39..185, 39..323, 220..318, 248..319		

Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o4.tw	Method	TBLASTX:Wheat
Start	324	End	705
GI	none	Score	169
Exons	324..704, 355..603, 649..705		

Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o2.tm	Method	TBLASTX:Maize
Start	519	End	842
GI	none	Score	204
Exons	519..842, 532..813		

Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o8.tw	Method	TBLASTX:Wheat
Start	1035	End	1326
GI	none	Score	58
Exons	1035..1295, 1171..1326		

Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o2.ts	Method	TBLASTX:Soybean
Start	1095	End	1661
GI	5666795	Score	68
Exons	1095..1295, 1350..1487, 1563..1661		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o5.tw	Method	TBLASTX:Wheat
Start	1350	End	4810
GI	none	Score	88
Exons	1350..1499, 1351..1488, 1353..1490, 1533..1784, 1543..1719, 1587..1784, 4757..4810		

Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o1.ts	Method	TBLASTX:Soybean
Start	2409	End	2780
GI	none	Score	90

Exons	2409..2780, 2620..2763		
Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o2.tw	Method	TBLASTX:Wheat
Start	2439	End	2859
GI	none	Score	313
Exons	2439..2858, 2446..2859		
Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o3.tm	Method	TBLASTX:Maize
Start	2532	End	2916
GI	none	Score	231
Exons	2532..2915, 2551..2916		
Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	2943	End	3299
GI	none	Score	116
Exons	2943..3248, 2943..3299, 2953..3264		
Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o1.tw	Method	TBLASTX:Wheat
Start	2967	End	3430
GI	none	Score	220
Exons	2967..3428, 2973..3428, 2974..3429, 2987..3430		
Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o3.ts	Method	TBLASTX:Soybean
Start	3024	End	3389
GI	none	Score	115
Exons	3024..3158, 3165..3389		
Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o3.tw	Method	TBLASTX:Wheat
Start	3594	End	4080
GI	none	Score	74
Exons	3594..4079, 3621..3815, 3625..3885, 3907..4080		
Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o6.tw	Method	TBLASTX:Wheat
Start	4818	End	5370
GI	none	Score	94
Exons	4818..5075, 4852..5091, 5058..5156, 5059..5151, 5163..5210,		

5335..5370

Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o4.tm	Method	TBLASTX:Maize
Start	4920	End	5205
GI	none	Score	107
Exons	4920..5168, 4921..5205		

Seq. No.	17878	Seq. ID	OJ990826_03.0103.C14
Gene No.	37464	Strand	-
Start	6092	End	6798
Name	OJ990826_03.0103.C14.o2.np	Method	AAT/NAP
Start	6092	End	6798
GI	5042454	Score	203
Exons	6092..6145, 6378..6551, 6777..6798		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17879	Seq. ID	OJ990826_03.0103.C15
Gene No.	37465	Strand	+
Start	57	End	515
Name	OJ990826_03.0103.C15.o1.gs	Method	GENSCAN
Start	57	End	515
GI	none	Score	.91
Exons	57..515		

Seq. No.	17879	Seq. ID	OJ990826_03.0103.C15
Gene No.	37466	Strand	+
Start	1025	End	1998
Name	OJ990826_03.0103.C15.o2.gs	Method	GENSCAN
Start	1025	End	1998
GI	none	Score	.72
Exons	1025..1161, 1335..1440, 1711..1998		

Seq. No.	17879	Seq. ID	OJ990826_03.0103.C15
Gene No.	37467	Strand	-
Start	1	End	2465
Name	OJ990826_03.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	2465
GI	5922636	Score	136
Exons	1..125, 1019..1205, 2421..2465		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016869\|dbj\|BAA85212.1\| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17879	Seq. ID	OJ990826_03.0103.C15
Gene No.	37468	Strand	-
Start	3243	End	10362
Name	OJ990826_03.0103.C15.o3.gs	Method	GENSCAN
Start	3243	End	10362
GI	none	Score	.55
Exons	3243..3313, 3484..3669, 4150..4438, 4638..4846, 5241..5291, 7116..7166, 7794..7969, 8050..8120, 8295..8384, 9026..9157, 10273..10362		

Seq. No.	17879	Seq. ID	OJ990826_03.0103.C15
Gene No.	37468	Strand	-
Start	3243	End	10362
Name	OJ990826_03.0103.C15.o3.tm	Method	TBLASTX:Maize
Start	5075	End	5469
GI	none	Score	158
Exons	5075..5242, 5219..5374, 5425..5469		

Seq. No.	17879	Seq. ID	OJ990826_03.0103.C15
Gene No.	37468	Strand	-
Start	3243	End	10362
Name	OJ990826_03.0103.C15.o2.tm	Method	TBLASTX:Maize
Start	6119	End	7167
GI	none	Score	153
Exons	6119..6271, 6125..6271, 6126..6272, 6126..6275, 6127..6282, 7113..7166, 7117..7167		

Seq. No.	17879	Seq. ID	OJ990826_03.0103.C15
Gene No.	37468	Strand	-
Start	3243	End	10362
Name	OJ990826_03.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	6125	End	7926
GI	none	Score	108
Exons	6125..6277, 6132..6278, 7678..7734, 7685..7726, 7786..7926, 7793..7921		

Seq. No.	17879	Seq. ID	OJ990826_03.0103.C15
Gene No.	37468	Strand	-
Start	3243	End	10362
Name	OJ990826_03.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	7560	End	10357
GI	none	Score	49
Exons	7560..7592, 7560..7592, 7660..7734, 7677..7724, 7786..7818, 7813..7968, 7820..7969, 7825..8010, 7836..8009, 8037..8117, 8045..8119, 8049..8120, 8290..8385, 8292..8399, 8293..8385, 8995..9147, 9014..9190, 9029..9160, 10064..10129, 10077..10136, 10078..10140, 10078..10137, 10271..10345, 10273..10344, 10301..10357		

Seq. No.	17879	Seq. ID	OJ990826_03.0103.C15
Gene No.	37468	Strand	-
Start	3243	End	10362
Name	OJ990826_03.0103.C15.o1.gp	Method	AAT/GAP
Start	7924	End	9308
GI	none	Score	868
Exons	7924..7969, 8050..8120, 8295..8384, 9026..9308		

Seq. No.	17880	Seq. ID	OJ990826_03.0103.C16
Gene No.	37469	Strand	-
Start	654	End	9872
Name	OJ990826_03.0103.C16.o1.gs	Method	GENSCAN
Start	654	End	9872
GI	none	Score	.51
Exons	654..961, 1719..1821, 3020..3114, 3289..3429, 3793..3881, 3986..4190, 4879..4924, 7492..7620, 8354..8479, 8680..9096, 9143..9277, 9398..9467, 9583..9872		

Seq. No.	17880	Seq. ID	OJ990826_03.0103.C16
Gene No.	37469	Strand	-
Start	654	End	9872
Name	OJ990826_03.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	3053	End	3866
GI	none	Score	95
Exons	3053..3091, 3165..3230, 3169..3228, 3169..3240, 3170..3229, 3273..3431, 3302..3436, 3312..3431, 3316..3432, 3788..3865, 3792..3866		

Seq. No.	17881	Seq. ID	OJ990826_03.0103.C18
Gene No.	37470	Strand	+
Start	736	End	1520
Name	OJ990826_03.0103.C18.o1.gp	Method	AAT/GAP
Start	736	End	1520
GI	uC-osrocyp004d05b1	Score	552
Exons	736..946, 1430..1520		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	17881	Seq. ID	OJ990826_03.0103.C18
Gene No.	37471	Strand	-
Start	720	End	955
Name	OJ990826_03.0103.C18.o1.gs	Method	GENSCAN
Start	720	End	955
GI	none	Score	.49
Exons	720..744, 849..955		

Seq. No.	17882	Seq. ID	OJ990826_03.0103.C19
Gene No.	37472	Strand	+
Start	1	End	4658
Name	OJ990826_03.0103.C19.o1.np	Method	AAT/NAP
Start	1	End	4658
GI	2642661	Score	826
Exons	1..110, 1000..1183, 1805..2019, 2619..2739, 2865..2977, 3826..4085, 4615..4658		
GI Descrip.	(AF034545) copalyl pyrophosphate synthase [Stevia rebaudiana]		

Seq. No.	17882	Seq. ID	OJ990826_03.0103.C19
Gene No.	37472	Strand	+
Start	1	End	4658
Name	OJ990826_03.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	1	End	4082
GI	none	Score	118
Exons	1..114, 2..115, 996..1178, 999..1184, 1800..2018, 1802..2017, 2618..2743, 2854..2970, 2859..2969, 3821..3880, 3822..3884, 3891..4001, 3954..4082		

Seq. No.	17882	Seq. ID	OJ990826_03.0103.C19
Gene No.	37472	Strand	+
Start	1	End	4658
Name	OJ990826_03.0103.C19.o1.gs	Method	GENSCAN
Start	44	End	4058
GI	none	Score	.69
Exons	44..110, 1018..1183, 1805..2019, 2619..2739, 2865..2977, 3826..4058		

Seq. No.	17882	Seq. ID	OJ990826_03.0103.C19
Gene No.	37472	Strand	+
Start	1	End	4658
Name	OJ990826_03.0103.C19.o1.tm	Method	TBLASTX:Maize
Start	1824	End	3884
GI	none	Score	232
Exons	1824..2018, 1850..2017, 2618..2743, 2618..2743, 2854..2976, 2859..2975, 2899..2976, 3828..3884		

Seq. No.	17883	Seq. ID	OJ990826_03.0103.C20
Gene No.	37473	Strand	+
Start	54	End	2751
Name	OJ990826_03.0103.C20.o1.gp	Method	AAT/GAP
Start	54	End	754
GI	6025104	Score	851
Exons	54..237, 362..449, 545..754		
GI Descrip.	576886 2.0e-09 (L37750) kaurene synthase A [Zea mays]		

Seq. No.	17883	Seq. ID	OJ990826_03.0103.C20
Gene No.	37473	Strand	+
Start	54	End	2751
Name	OJ990826_03.0103.C20.o1.gs	Method	GENSCAN
Start	58	End	2751
GI	none	Score	.72
Exons	58..190, 229..441, 545..754, 1145..1342, 1644..1694, 2629..2751		

Seq. No.	17883	Seq. ID	OJ990826_03.0103.C20
Gene No.	37473	Strand	+
Start	54	End	2751
Name	OJ990826_03.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	679	End	1391
GI	none	Score	74
Exons	679..732, 680..736, 1183..1371, 1183..1359, 1187..1381, 1191..1391, 1211..1384		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37474	Strand	+
Start	319	End	378
Name	OJ990826_03.0103.C21.o1.gs	Method	GENSCAN
Start	319	End	378
GI	none	Score	.76
Exons	319..378		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37475	Strand	+
Start	344	End	453
Name	OJ990826_03.0103.C21.o1.gp	Method	AAT/GAP
Start	344	End	453
GI	uC-osflcyp088b12b1	Score	150
Exons	344..453		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37476	Strand	+
Start	6856	End	13461

Name	OJ990826_03.0103.C21.o3.np	Method	AAT/NAP
Start	6856	End	13458
GI	6498441	Score	5238
Exons	6856..6900, 9203..9669, 9733..10106, 10290..10424, 10599..10837, 11030..11514, 11686..13083, 13177..13458		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37476	Strand	+
Start	6856	End	13461
Name	OJ990826_03.0103.C21.o3.gs	Method	GENSCAN
Start	8906	End	13461
GI	none	Score	.48
Exons	8906..8908, 9079..9669, 9733..10776, 10945..13461		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37477	Strand	+
Start	18543	End	20911
Name	OJ990826_03.0103.C21.o5.gs	Method	GENSCAN
Start	18543	End	20911
GI	none	Score	.79
Exons	18543..18689, 18924..19097, 20846..20911		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37478	Strand	-
Start	571	End	1035
Name	OJ990826_03.0103.C21.o1.np	Method	AAT/NAP
Start	571	End	1035
GI	4680203	Score	102
Exons	571..823, 978..1035		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37479	Strand	-
Start	2945	End	4783
Name	OJ990826_03.0103.C21.o2.np	Method	AAT/NAP
Start	2942	End	4756
GI	5921934	Score	1376
Exons	2942..3574, 3908..4756		
GI Descrip.	CYTOCHROME P450 CYP99A1 gi\|2766450 (AF029857) cytochrome P450 CYP99A1 [Sorghum bicolor]		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37479	Strand	-
Start	2945	End	4783
Name	OJ990826_03.0103.C21.o2.gs	Method	GENSCAN
Start	2945	End	4783
GI	none	Score	.88
Exons	2945..3574, 3908..4783		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37480	Strand	-
Start	14103	End	19130
Name	OJ990826_03.0103.C21.o4.gs	Method	GENSCAN
Start	14103	End	17453

GI	none	Score	.87
Exons	14103..14763, 14881..16092, 16192..17257, 17324..17453		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37480	Strand	-
Start	14103	End	19130
Name	OJ990826_03.0103.C21.o4.np	Method	AAT/NAP
Start	14106	End	17453
GI	6907089	Score	4341
Exons	14106..15602, 15678..16092, 16192..17453		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37480	Strand	-
Start	14103	End	19130
Name	OJ990826_03.0103.C21.o5.np	Method	AAT/NAP
Start	16650	End	19130
GI	5922623	Score	266
Exons	16650..16683, 18271..18346, 18514..18635, 19025..19130		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o4.tm	Method	TBLASTX:Maize
Start	2942	End	3574
GI	none	Score	192
Exons	2942..3337, 2970..3398, 3461..3574		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o1.ts	Method	TBLASTX:Soybean
Start	2960	End	4688
GI	none	Score	262
Exons	2960..3340, 2964..3410, 3419..3592, 4253..4627, 4254..4688		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o1.tc	Method	TBLASTX:Cress
Start	2981	End	3595
GI	none	Score	164
Exons	2981..3325, 3000..3317, 3348..3530, 3383..3595		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o7.tw	Method	TBLASTX:Wheat
Start	2984	End	3248
GI	none	Score	156
Exons	2984..3235, 2988..3248, 3055..3237		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-

Start	23447	End	26341
Name	OJ990826_03.0103.C21.o2.tc	Method	TBLASTX:Cress
Start	4205	End	4621
GI	none	Score	172
Exons	4205..4621, 4206..4592		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o5.tm	Method	TBLASTX:Maize
Start	4277	End	9301
GI	none	Score	83
Exons	4277..4729, 4361..4501, 4365..4622, 9044..9160, 9221..9301		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o3.tw	Method	TBLASTX:Wheat
Start	9090	End	9576
GI	none	Score	409
Exons	9090..9263, 9091..9576, 9091..9519, 9285..9545		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o1.tw	Method	TBLASTX:Wheat
Start	9740	End	10203
GI	none	Score	215
Exons	9740..10183, 9741..10202, 9742..10203		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o4.ts	Method	TBLASTX:Soybean
Start	9781	End	10146
GI	none	Score	117
Exons	9781..10005, 10012..10146		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o1.tm	Method	TBLASTX:Maize
Start	9871	End	10227
GI	none	Score	392
Exons	9871..10227, 9906..10217, 10111..10227		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o3.tm	Method	TBLASTX:Maize
Start	10254	End	10638
GI	none	Score	360
Exons	10254..10340, 10255..10638, 10398..10619		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341

Name	OJ990826_03.0103.C21.o2.tw	Method	TBLASTX:Wheat
Start	10312	End	10736
GI	none	Score	483
Exons	10312..10731, 10410..10736		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o2.ts	Method	TBLASTX:Soybean
Start	10390	End	10761
GI	none	Score	277
Exons	10390..10761, 10407..10550		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o5.tw	Method	TBLASTX:Wheat
Start	11362	End	11820
GI	none	Score	234
Exons	11362..11610, 11386..11610, 11451..11624, 11671..11820, 11682..11819		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o3.ts	Method	TBLASTX:Soybean
Start	11509	End	12075
GI	5666795	Score	68
Exons	11509..11607, 11683..11820, 11875..12075		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o8.tw	Method	TBLASTX:Wheat
Start	11823	End	12135
GI	none	Score	194
Exons	11823..12011, 11836..12024, 11875..12135		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o2.tm	Method	TBLASTX:Maize
Start	12328	End	12651
GI	none	Score	362
Exons	12328..12651, 12357..12638		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o4.tw	Method	TBLASTX:Wheat
Start	12465	End	12846
GI	none	Score	375
Exons	12465..12521, 12466..12846, 12469..12720, 12567..12815		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-

Start	23447	End	26341
Name	OJ990826_03.0103.C21.o6.tw	Method	TBLASTX:Wheat
Start	12847	End	16410
GI	none	Score	265
Exons	12847..13131, 12852..13130, 12987..13157, 13323..13445, 13324..13449, 16336..16410		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o6.np	Method	AAT/NAP
Start	23417	End	26341
GI	6063557	Score	270
Exons	23417..23568, 23817..23982, 26313..26341		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o6.gs	Method	GENSCAN
Start	23447	End	26164
GI	none	Score	.59
Exons	23447..23595, 26027..26164		

Seq. No.	17884	Seq. ID	OJ990826_03.0103.C21
Gene No.	37481	Strand	-
Start	23447	End	26341
Name	OJ990826_03.0103.C21.o7.np	Method	AAT/NAP
Start	25318	End	25397
GI	5852084	Score	81
Exons	25318..25397		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	17885	Seq. ID	OJ990826_03.0103.C22
Gene No.	37482	Strand	+
Start	99	End	378
Name	OJ990826_03.0103.C22.o1.gp	Method	AAT/GAP
Start	99	End	378
GI	LIB3434-035-P1-K1-A7	Score	403
Exons	99..378		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	17886	Seq. ID	OJ990916_09.0125.C2
Gene No.	37483	Strand	+
Start	301	End	470
Name	OJ990916_09.0125.C2.o1.gs	Method	GENSCAN
Start	301	End	470
GI	none	Score	.67
Exons	301..470		

Seq. No.	17887	Seq. ID	OJ990916_09.0125.C5
Gene No.	37484	Strand	+
Start	36	End	137
Name	OJ990916_09.0125.C5.o1.gs	Method	GENSCAN
Start	36	End	137
GI	none	Score	.83

Exons	36..137		
Seq. No.	17888	Seq. ID	OJ990916_09.0125.C6
Gene No.	37485	Strand	-
Start	155	End	907
Name	OJ990916_09.0125.C6.o1.gs	Method	GENSCAN
Start	155	End	907
GI	none	Score	.44
Exons	155..226, 390..577, 583..907		
Seq. No.	17889	Seq. ID	OJ990916_09.0125.C7
Gene No.	37486	Strand	+
Start	53	End	640
Name	OJ990916_09.0125.C7.o1.gs	Method	GENSCAN
Start	53	End	640
GI	none	Score	.45
Exons	53..140, 248..640		
Seq. No.	17889	Seq. ID	OJ990916_09.0125.C7
Gene No.	37486	Strand	+
Start	53	End	640
Name	OJ990916_09.0125.C7.o1.tm	Method	TBLASTX:Maize
Start	229	End	597
GI	none	Score	148
Exons	229..354, 246..353, 247..363, 379..597, 379..495		
Seq. No.	17890	Seq. ID	OJ990916_09.0125.C8
Gene No.	37487	Strand	-
Start	1	End	347
Name	OJ990916_09.0125.C8.o1.np	Method	AAT/NAP
Start	1	End	339
GI	4432840	Score	87
Exons	1..34, 203..339		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		
Seq. No.	17890	Seq. ID	OJ990916_09.0125.C8
Gene No.	37487	Strand	-
Start	1	End	347
Name	OJ990916_09.0125.C8.o1.tc	Method	TBLASTX:Cress
Start	201	End	345
GI	none	Score	59
Exons	201..344, 241..345, 280..345		
Seq. No.	17890	Seq. ID	OJ990916_09.0125.C8
Gene No.	37487	Strand	-
Start	1	End	347
Name	OJ990916_09.0125.C8.o1.tm	Method	TBLASTX:Maize
Start	201	End	314
GI	none	Score	98
Exons	201..314, 206..310		
Seq. No.	17890	Seq. ID	OJ990916_09.0125.C8
Gene No.	37487	Strand	-
Start	1	End	347
Name	OJ990916_09.0125.C8.o1.ts	Method	TBLASTX:Soybean
Start	201	End	347
GI	none	Score	88

Exons	201..344, 203..346, 204..347, 205..345		
Seq. No.	17890	Seq. ID	OJ990916_09.0125.C8
Gene No.	37487	Strand	-
Start	1	End	347
Name	OJ990916_09.0125.C8.o1.gs	Method	GENSCAN
Start	207	End	339
GI	none	Score	.95
Exons	207..339		
Seq. No.	17891	Seq. ID	OJ990916_09.0125.C9
Gene No.	37488	Strand	-
Start	1	End	225
Name	OJ990916_09.0125.C9.o1.gp	Method	AAT/GAP
Start	1	End	225
GI	427745	Score	426
Exons	1..225		
GI Descrip.	4097153/gb\|U46159.1\|OSU46159 7.0e-43 Oryza sativa type 1 metallothionein-like (rgMT-1) gene, complete cds		
Seq. No.	17892	Seq. ID	OJ990916_09.0125.C10
Gene No.	37489	Strand	-
Start	552	End	623
Name	OJ990916_09.0125.C10.o1.gp	Method	AAT/GAP
Start	552	End	623
GI	uC-osf1M202097d10b1	Score	83
Exons	552..623		
GI Descrip.	'4062935/dbj\|AB003495.1\|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		
Seq. No.	17893	Seq. ID	OJ990916_09.0125.C11
Gene No.	37490	Strand	+
Start	114	End	1083
Name	OJ990916_09.0125.C11.o1.tc	Method	TBLASTX:Cress
Start	11	End	1083
GI	none	Score	43
Exons	11..58, 134..508, 138..530, 138..518, 168..314, 309..527, 889..1083, 894..1082		
Seq. No.	17893	Seq. ID	OJ990916_09.0125.C11
Gene No.	37490	Strand	+
Start	114	End	1083
Name	OJ990916_09.0125.C11.o1.tm	Method	TBLASTX:Maize
Start	92	End	1083
GI	none	Score	420
Exons	92..529, 117..530, 120..530, 121..531, 168..314, 309..527, 889..1083, 889..1083		
Seq. No.	17893	Seq. ID	OJ990916_09.0125.C11
Gene No.	37490	Strand	+
Start	114	End	1083
Name	OJ990916_09.0125.C11.o1.gp	Method	AAT/GAP
Start	114	End	1083
GI	966_1.R1084	Score	1175
Exons	114..530, 892..1083		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	17893	Seq. ID	OJ990916_09.0125.C11
Gene No.	37490	Strand	+
Start	114	End	1083
Name	OJ990916_09.0125.C11.o1.gs	Method	GENSCAN
Start	138	End	1003
GI	none	Score	.47
Exons	138..530, 892..1003		

Seq. No.	17893	Seq. ID	OJ990916_09.0125.C11
Gene No.	37490	Strand	+
Start	114	End	1083
Name	OJ990916_09.0125.C11.o1.np	Method	AAT/NAP
Start	138	End	1083
GI	5679684	Score	966
Exons	138..530, 892..1083		
GI Descrip.	(AJ243828) phosphatase 2A regulatory A subunit [Oryza sativa] gi\|5679686\|emb\|CAB51804.1\| (AJ243829) protein phosphatase 2A A subunit [Oryza sativa]		

Seq. No.	17893	Seq. ID	OJ990916_09.0125.C11
Gene No.	37490	Strand	+
Start	114	End	1083
Name	OJ990916_09.0125.C11.o1.ts	Method	TBLASTX:Soybean
Start	138	End	1083
GI	none	Score	598
Exons	138..530, 138..245, 149..529, 168..314, 309..527, 889..1083, 891..1082, 898..1083		

Seq. No.	17894	Seq. ID	OJ990916_09.0125.C18
Gene No.	37491	Strand	+
Start	48	End	258
Name	OJ990916_09.0125.C18.o1.gs	Method	GENSCAN
Start	48	End	258
GI	none	Score	.9
Exons	48..258		

Seq. No.	17895	Seq. ID	OJ990916_09.0125.C19
Gene No.	37492	Strand	+
Start	333	End	1333
Name	OJ990916_09.0125.C19.o1.gs	Method	GENSCAN
Start	333	End	1333
GI	none	Score	.53
Exons	333..424, 1207..1333		

Seq. No.	17895	Seq. ID	OJ990916_09.0125.C19
Gene No.	37493	Strand	-
Start	10	End	108
Name	OJ990916_09.0125.C19.o1.np	Method	AAT/NAP
Start	10	End	108
GI	5777617	Score	78
Exons	10..108		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	17896	Seq. ID	OJ990916_09.0125.C21
Gene No.	37494	Strand	+
Start	1	End	267

Name	OJ990916_09.0125.C21.o1.np	Method	AAT/NAP
Start	1	End	267
GI	467292	Score	55
Exons	1..267		
GI Descrip.	(U07817) glutamine-asparagine rich protein [Dictyostelium discoideum]		

Seq. No.	17896	Seq. ID	OJ990916_09.0125.C21
Gene No.	37495	Strand	+
Start	286	End	649
Name	OJ990916_09.0125.C21.o2.np	Method	AAT/NAP
Start	286	End	649
GI	1109849	Score	82
Exons	286..649		
GI Descrip.	(U41538) proline rich [Caenorhabditis elegans]		

Seq. No.	17897	Seq. ID	OJ990916_09.0125.C22
Gene No.	37496	Strand	+
Start	1	End	737
Name	OJ990916_09.0125.C22.o1.gp	Method	AAT/GAP
Start	1	End	737
GI	966_1.R1084	Score	520
Exons	1..172, 554..737		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	17897	Seq. ID	OJ990916_09.0125.C22
Gene No.	37496	Strand	+
Start	1	End	737
Name	OJ990916_09.0125.C22.o1.np	Method	AAT/NAP
Start	1	End	737
GI	5679684	Score	403
Exons	1..172, 554..737		
GI Descrip.	(AJ243828) phosphatase 2A regulatory A subunit [Oryza sativa] gi\|5679686\|emb\|CAB51804.1\| (AJ243829) protein phosphatase 2A A subunit [Oryza sativa]		

Seq. No.	17897	Seq. ID	OJ990916_09.0125.C22
Gene No.	37496	Strand	+
Start	1	End	737
Name	OJ990916_09.0125.C22.o1.tw	Method	TBLASTX:Wheat
Start	53	End	729
GI	none	Score	172
Exons	53..184, 68..178, 550..726, 551..727, 554..703, 664..729		

Seq. No.	17897	Seq. ID	OJ990916_09.0125.C22
Gene No.	37496	Strand	+
Start	1	End	737
Name	OJ990916_09.0125.C22.o1.ts	Method	TBLASTX:Soybean
Start	64	End	732
GI	none	Score	86
Exons	64..126, 65..178, 67..174, 68..178, 551..727, 553..732, 553..726, 554..703, 584..679		

Seq. No.	17897	Seq. ID	OJ990916_09.0125.C22
Gene No.	37496	Strand	+
Start	1	End	737

Name	OJ990916_09.0125.C22.o1.tc	Method	TBLASTX:Cress
Start	67	End	728
GI	none	Score	167
Exons	67..126, 68..178, 549..725, 550..726, 551..727, 552..728, 554..703, 578..679		

Seq. No.	17897	Seq. ID	OJ990916_09.0125.C22
Gene No.	37496	Strand	+
Start	1	End	737
Name	OJ990916_09.0125.C22.o1.gs	Method	GENSCAN
Start	68	End	731
GI	none	Score	.9
Exons	68..172, 554..731		

Seq. No.	17897	Seq. ID	OJ990916_09.0125.C22
Gene No.	37496	Strand	+
Start	1	End	737
Name	OJ990916_09.0125.C22.o1.tm	Method	TBLASTX:Maize
Start	112	End	727
GI	none	Score	54
Exons	112..174, 114..173, 119..178, 119..184, 550..726, 551..727		

Seq. No.	17898	Seq. ID	OJ990916_09.0125.C23
Gene No.	37497	Strand	+
Start	339	End	576
Name	OJ990916_09.0125.C23.o1.gs	Method	GENSCAN
Start	339	End	576
GI	none	Score	.79
Exons	339..415, 480..576		

Seq. No.	17898	Seq. ID	OJ990916_09.0125.C23
Gene No.	37498	Strand	-
Start	745	End	1034
Name	OJ990916_09.0125.C23.o2.gs	Method	GENSCAN
Start	745	End	1034
GI	none	Score	.46
Exons	745..803, 929..1034		

Seq. No.	17899	Seq. ID	OJ990916_09.0125.C24
Gene No.	37499	Strand	+
Start	367	End	1889
Name	OJ990916_09.0125.C24.o1.gp	Method	AAT/GAP
Start	367	End	1885
GI	2169_1.R1084	Score	2368
Exons	367..535, 818..1885		
GI Descrip.	'2244847/emb\|CAB10269.1\| 6.0e-31 (Z97337) hydroxyproline-rich glycoprotein homolog [Arabidopsis thaliana]'		

Seq. No.	17899	Seq. ID	OJ990916_09.0125.C24
Gene No.	37499	Strand	+
Start	367	End	1889
Name	OJ990916_09.0125.C24.o1.tm	Method	TBLASTX:Maize
Start	827	End	1889
GI	none	Score	235
Exons	827..1015, 828..1199, 828..1205, 829..1227, 830..1228, 1039..1227, 1248..1883, 1249..1884, 1250..1885, 1253..1885, 1632..1889		

Seq. No.	17899	Seq. ID	OJ990916_09.0125.C24
Gene No.	37499	Strand	+
Start	367	End	1889
Name	OJ990916_09.0125.C24.o1.gs	Method	GENSCAN
Start	830	End	1883
GI	none	Score	.81
Exons	830..1883		

Seq. No.	17899	Seq. ID	OJ990916_09.0125.C24
Gene No.	37499	Strand	+
Start	367	End	1889
Name	OJ990916_09.0125.C24.o1.ts	Method	TBLASTX:Soybean
Start	830	End	1889
GI	none	Score	337
Exons	830..1144, 830..1015, 1337..1603, 1339..1575, 1473..1577, 1631..1885, 1641..1889, 1641..1787, 1645..1884		

Seq. No.	17899	Seq. ID	OJ990916_09.0125.C24
Gene No.	37499	Strand	+
Start	367	End	1889
Name	OJ990916_09.0125.C24.o1.tc	Method	TBLASTX:Cress
Start	953	End	1886
GI	none	Score	191
Exons	953..1153, 954..1007, 1309..1578, 1310..1591, 1319..1591, 1630..1884, 1631..1885, 1662..1886		

Seq. No.	17900	Seq. ID	OJ990916_09.0125.C25
Gene No.	37500	Strand	+
Start	362	End	793
Name	OJ990916_09.0125.C25.o1.ts	Method	TBLASTX:Soybean
Start	340	End	738
GI	none	Score	107
Exons	340..555, 353..571, 353..547, 382..561, 578..667, 688..738		

Seq. No.	17900	Seq. ID	OJ990916_09.0125.C25
Gene No.	37500	Strand	+
Start	362	End	793
Name	OJ990916_09.0125.C25.o1.tm	Method	TBLASTX:Maize
Start	352	End	793
GI	none	Score	177
Exons	352..558, 353..622, 353..547, 354..788, 429..569, 549..671, 565..678, 566..688, 661..789, 674..793, 761..790		

Seq. No.	17900	Seq. ID	OJ990916_09.0125.C25
Gene No.	37500	Strand	+
Start	362	End	793
Name	OJ990916_09.0125.C25.o1.tw	Method	TBLASTX:Wheat
Start	353	End	773
GI	none	Score	509
Exons	353..715, 353..547, 354..773, 354..770, 608..772		

Seq. No.	17900	Seq. ID	OJ990916_09.0125.C25
Gene No.	37500	Strand	+
Start	362	End	793
Name	OJ990916_09.0125.C25.o1.gs	Method	GENSCAN
Start	362	End	751

GI	none	Score	.78
Exons	362..751		

Seq. No.	17901	Seq. ID	OJ990916_09.0125.C26
Gene No.	37501	Strand	-
Start	230	End	655
Name	OJ990916_09.0125.C26.o1.gs	Method	GENSCAN
Start	230	End	655
GI	none	Score	.71
Exons	230..399, 518..655		

Seq. No.	17902	Seq. ID	OJ990916_09.0125.C27
Gene No.	37502	Strand	
Start	898	End	1036
Name	OJ990916_09.0125.C27.o1.tm	Method	TBLASTX:Maize
Start	898	End	1036
GI	none	Score	205
Exons	898..1032, 899..1036		

Seq. No.	17903	Seq. ID	OJ990916_09.0125.C28
Gene No.	37503	Strand	+
Start	1	End	716
Name	OJ990916_09.0125.C28.o1.np	Method	AAT/NAP
Start	1	End	713
GI	4432840	Score	87
Exons	1..46, 516..713		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	17903	Seq. ID	OJ990916_09.0125.C28
Gene No.	37503	Strand	+
Start	1	End	716
Name	OJ990916_09.0125.C28.o1.tm	Method	TBLASTX:Maize
Start	515	End	716
GI	none	Score	276
Exons	515..715, 516..698, 567..716, 578..715		

Seq. No.	17903	Seq. ID	OJ990916_09.0125.C28
Gene No.	37503	Strand	+
Start	1	End	716
Name	OJ990916_09.0125.C28.o1.gs	Method	GENSCAN
Start	541	End	716
GI	none	Score	.48
Exons	541..716		

Seq. No.	17904	Seq. ID	OJ990916_09.0125.C29
Gene No.	37504	Strand	+
Start	151	End	678
Name	OJ990916_09.0125.C29.o1.gp	Method	AAT/GAP
Start	151	End	470
GI	3820_1.R1084	Score	415
Exons	151..258, 339..470		
GI Descrip.	'729535/sp\|P41347\|FTRC_MAIZE 7.0e-56 FERREDOXIN-THIOREDOXIN REDUCTASE, CATALYTIC CHAIN PRECURSOR (FTR-C) (FERREDOXIN-THIOREDOXIN REDUCTASE SUBUNIT B) (FTR-B)'		

Seq. No.	17904	Seq. ID	OJ990916_09.0125.C29
Gene No.	37504	Strand	+

Start	151	End	678
Name	OJ990916_09.0125.C29.o1.np	Method	AAT/NAP
Start	153	End	678
GI	729535	Score	135
Exons	153..258, 345..490, 643..678		
GI Descrip.	FERREDOXIN-THIOREDOXIN REDUCTASE, CATALYTIC CHAIN PRECURSOR (FTR-C) (FERREDOXIN-THIOREDOXIN REDUCTASE SUBUNIT B) (FTR-B)		

Seq. No.	17904	Seq. ID	OJ990916_09.0125.C29
Gene No.	37504	Strand	+
Start	151	End	678
Name	OJ990916_09.0125.C29.o1.gs	Method	GENSCAN
Start	174	End	466
GI	none	Score	.76
Exons	174..258, 339..466		

Seq. No.	17905	Seq. ID	OJ990916_09.0125.C30
Gene No.	37505	Strand	+
Start	1	End	683
Name	OJ990916_09.0125.C30.o1.np	Method	AAT/NAP
Start	1	End	683
GI	6691191	Score	576
Exons	1..683		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	17905	Seq. ID	OJ990916_09.0125.C30
Gene No.	37505	Strand	+
Start	1	End	683
Name	OJ990916_09.0125.C30.o1.tc	Method	TBLASTX:Cress
Start	12	End	390
GI	none	Score	55
Exons	12..83, 87..278, 101..199, 274..390, 283..390		

Seq. No.	17905	Seq. ID	OJ990916_09.0125.C30
Gene No.	37505	Strand	+
Start	1	End	683
Name	OJ990916_09.0125.C30.o1.tw	Method	TBLASTX:Wheat
Start	51	End	429
GI	none	Score	49
Exons	51..119, 111..278, 134..223, 283..429		

Seq. No.	17905	Seq. ID	OJ990916_09.0125.C30
Gene No.	37505	Strand	+
Start	1	End	683
Name	OJ990916_09.0125.C30.o1.ts	Method	TBLASTX:Soybean
Start	385	End	683
GI	none	Score	228
Exons	385..678, 411..683		

Seq. No.	17905	Seq. ID	OJ990916_09.0125.C30
Gene No.	37505	Strand	+
Start	1	End	683
Name	OJ990916_09.0125.C30.o2.tw	Method	TBLASTX:Wheat
Start	429	End	678
GI	none	Score	195
Exons	429..632, 430..678		

Seq. No.	17906	Seq. ID	OJ990916_09.0125.C34
Gene No.	37506	Strand	-
Start	1	End	76
Name	OJ990916_09.0125.C34.o1.gp	Method	AAT/GAP
Start	1	End	76
GI	2169_1.R1084	Score	144
Exons	1..76		
GI Descrip.	'2244847/emb\|CAB10269.1\| 6.0e-31 (Z97337) hydroxyproline-rich glycoprotein homolog [Arabidopsis thaliana]'		

Seq. No.	17907	Seq. ID	OJ990916_09.0125.C36
Gene No.	37507	Strand	-
Start	68	End	565
Name	OJ990916_09.0125.C36.o1.gs	Method	GENSCAN
Start	68	End	565
GI	none	Score	.94
Exons	68..565		

Seq. No.	17908	Seq. ID	OJ990916_09.0125.C39
Gene No.	37508	Strand	+
Start	1594	End	2960
Name	OJ990916_09.0125.C39.o1.gp	Method	AAT/GAP
Start	1594	End	2960
GI	26060_1.R1084	Score	406
Exons	1594..1666, 2809..2960		
GI Descrip.	'2062164 2.0e-36 (AC001645) jasmonate inducible protein isolog [Arabidopsis thaliana]'		

Seq. No.	17908	Seq. ID	OJ990916_09.0125.C39
Gene No.	37508	Strand	+
Start	1594	End	2960
Name	OJ990916_09.0125.C39.o1.np	Method	AAT/NAP
Start	2773	End	2960
GI	6466955	Score	180
Exons	2773..2960		
GI Descrip.	(AC009176) unknown protein [Arabidopsis thaliana] gi\|6648184\|gb\|AAF21182.1\|AC013483_6 (AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	17908	Seq. ID	OJ990916_09.0125.C39
Gene No.	37508	Strand	+
Start	1594	End	2960
Name	OJ990916_09.0125.C39.o1.tc	Method	TBLASTX:Cress
Start	2806	End	2958
GI	none	Score	208
Exons	2806..2958, 2808..2942		

Seq. No.	17908	Seq. ID	OJ990916_09.0125.C39
Gene No.	37508	Strand	+
Start	1594	End	2960
Name	OJ990916_09.0125.C39.o1.tw	Method	TBLASTX:Wheat
Start	2808	End	2958
GI	none	Score	58
Exons	2808..2849, 2808..2957, 2809..2958		

Seq. No.	17909	Seq. ID	OJ990916_09.0125.C41
Gene No.	37509	Strand	+

Start	147	End	468
Name	OJ990916_09.0125.C41.o1.np	Method	AAT/NAP
Start	147	End	423
GI	6561963	Score	87
Exons	147..205, 291..423		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	17909	Seq. ID	OJ990916_09.0125.C41
Gene No.	37509	Strand	+
Start	147	End	468
Name	OJ990916_09.0125.C41.o1.tm	Method	TBLASTX:Maize
Start	281	End	468
GI	none	Score	184
Exons	281..409, 294..410, 295..447, 415..468, 415..456		

Seq. No.	17909	Seq. ID	OJ990916_09.0125.C41
Gene No.	37509	Strand	+
Start	147	End	468
Name	OJ990916_09.0125.C41.o1.gs	Method	GENSCAN
Start	308	End	450
GI	none	Score	.67
Exons	308..450		

Seq. No.	17910	Seq. ID	OJ990916_09.0125.C43
Gene No.	37510	Strand	+
Start	260	End	427
Name	OJ990916_09.0125.C43.o1.np	Method	AAT/NAP
Start	260	End	427
GI	5852181	Score	124
Exons	260..427		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	17911	Seq. ID	OJ990916_09.0125.C44
Gene No.	37511	Strand	+
Start	170	End	354
Name	OJ990916_09.0125.C44.o1.gs	Method	GENSCAN
Start	170	End	354
GI	none	Score	.45
Exons	170..354		

Seq. No.	17911	Seq. ID	OJ990916_09.0125.C44
Gene No.	37512	Strand	-
Start	588	End	754
Name	OJ990916_09.0125.C44.o1.gp	Method	AAT/GAP
Start	588	End	754
GI	3767924	Score	204
Exons	588..754		

Seq. No.	17912	Seq. ID	OJ990916_09.0125.C45
Gene No.	37513	Strand	+
Start	75	End	419
Name	OJ990916_09.0125.C45.o1.gs	Method	GENSCAN
Start	75	End	419
GI	none	Score	.74
Exons	75..150, 310..419		

Seq. No.	17913	Seq. ID	OJ990916_09.0125.C46

Gene No.	37514	Strand	-
Start	1	End	470
Name	OJ990916_09.0125.C46.o1.np	Method	AAT/NAP
Start	1	End	338
GI	4680180	Score	159
Exons	1..338		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17913	Seq. ID	OJ990916_09.0125.C46
Gene No.	37514	Strand	-
Start	1	End	470
Name	OJ990916_09.0125.C46.o1.gs	Method	GENSCAN
Start	151	End	470
GI	none	Score	.63
Exons	151..470		

Seq. No.	17914	Seq. ID	OJ990916_09.0125.C47
Gene No.	37515	Strand	+
Start	167	End	313
Name	OJ990916_09.0125.C47.o1.gs	Method	GENSCAN
Start	167	End	313
GI	none	Score	.7
Exons	167..313		

Seq. No.	17914	Seq. ID	OJ990916_09.0125.C47
Gene No.	37516	Strand	-
Start	1	End	650
Name	OJ990916_09.0125.C47.o1.np	Method	AAT/NAP
Start	1	End	650
GI	6561962	Score	166
Exons	1..155, 245..330, 610..650		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	17914	Seq. ID	OJ990916_09.0125.C47
Gene No.	37516	Strand	-
Start	1	End	650
Name	OJ990916_09.0125.C47.o1.ts	Method	TBLASTX:Soybean
Start	57	End	341
GI	none	Score	111
Exons	57..155, 242..340, 246..341		

Seq. No.	17914	Seq. ID	OJ990916_09.0125.C47
Gene No.	37516	Strand	-
Start	1	End	650
Name	OJ990916_09.0125.C47.o1.gp	Method	AAT/GAP
Start	58	End	650
GI	LIB3433-016-Q6-K6-F8	Score	281
Exons	58..155, 245..326, 594..650		
GI Descrip.	'3834350/dbj\|BAA34124\| 4.0e-10 (AB010991) 3b-hydroxylase [Lycopersicon esculentum]'		

Seq. No.	17914	Seq. ID	OJ990916_09.0125.C47
Gene No.	37516	Strand	-
Start	1	End	650
Name	OJ990916_09.0125.C47.o1.tm	Method	TBLASTX:Maize
Start	66	End	328
GI	none	Score	98

Exons	66..167, 66..155, 71..181, 80..157, 242..328, 243..326		
Seq. No.	17915	Seq. ID	OJ990916_09.0125.C48
Gene No.	37517	Strand	+
Start	526	End	692
Name	OJ990916_09.0125.C48.o1.gp	Method	AAT/GAP
Start	526	End	692
GI	60910_1.R1084	Score	326
Exons	526..692		
GI Descrip.	'4586249/emb\|CAB40990.1\| 2.0e-21 (AL049640) putative pollen surface protein [Arabidopsis thaliana]'		
Seq. No.	17916	Seq. ID	OJ990916_09.0125.C49
Gene No.	37518	Strand	+
Start	532	End	734
Name	OJ990916_09.0125.C49.o1.gs	Method	GENSCAN
Start	532	End	712
GI	none	Score	.68
Exons	532..712		
Seq. No.	17916	Seq. ID	OJ990916_09.0125.C49
Gene No.	37518	Strand	+
Start	532	End	734
Name	OJ990916_09.0125.C49.o1.np	Method	AAT/NAP
Start	554	End	734
GI	4586249	Score	99
Exons	554..734		
GI Descrip.	(AL049640) putative pollen surface protein [Arabidopsis thaliana]		
Seq. No.	17917	Seq. ID	OJ990916_09.0125.C50
Gene No.	37519	Strand	+
Start	1	End	674
Name	OJ990916_09.0125.C50.o1.np	Method	AAT/NAP
Start	1	End	674
GI	6498436	Score	167
Exons	1..40, 197..674		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	17918	Seq. ID	OJ990916_09.0125.C51
Gene No.	37520	Strand	-
Start	16	End	163
Name	OJ990916_09.0125.C51.o1.gs	Method	GENSCAN
Start	16	End	163
GI	none	Score	.73
Exons	16..163		
Seq. No.	17919	Seq. ID	OJ990916_09.0125.C52
Gene No.	37521	Strand	+
Start	414	End	503
Name	OJ990916_09.0125.C52.o2.np	Method	AAT/NAP
Start	414	End	503
GI	4680183	Score	127
Exons	414..503		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	17919	Seq. ID	OJ990916_09.0125.C52

Gene No.	37522	Strand	-
Start	1	End	381
Name	OJ990916_09.0125.C52.o1.np	Method	AAT/NAP
Start	1	End	381
GI	6721561	Score	105
Exons	1..36, 279..381		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17919	Seq. ID	OJ990916_09.0125.C52
Gene No.	37522	Strand	-
Start	1	End	381
Name	OJ990916_09.0125.C52.o1.gs	Method	GENSCAN
Start	168	End	381
GI	none	Score	.6
Exons	168..257, 291..381		

Seq. No.	17920	Seq. ID	OJ990916_09.0125.C53
Gene No.	37523	Strand	+
Start	1314	End	1645
Name	OJ990916_09.0125.C53.o1.gs	Method	GENSCAN
Start	1314	End	1645
GI	none	Score	.59
Exons	1314..1645		

Seq. No.	17921	Seq. ID	OJ990916_09.0125.C54
Gene No.	37524	Strand	+
Start	524	End	966
Name	OJ990916_09.0125.C54.o1.gs	Method	GENSCAN
Start	524	End	966
GI	none	Score	.59
Exons	524..580, 843..966		

Seq. No.	17921	Seq. ID	OJ990916_09.0125.C54
Gene No.	37525	Strand	-
Start	777	End	967
Name	OJ990916_09.0125.C54.o1.gp	Method	AAT/GAP
Start	777	End	967
GI	23998_1.R1084	Score	367
Exons	777..967		
GI Descrip.	'5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	17922	Seq. ID	OJ990916_09.0125.C58
Gene No.	37526	Strand	+
Start	1	End	291
Name	OJ990916_09.0125.C58.o1.np	Method	AAT/NAP
Start	1	End	291
GI	6630685	Score	342
Exons	1..291		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	17922	Seq. ID	OJ990916_09.0125.C58

Gene No.	37526	Strand	+
Start	1	End	291
Name	OJ990916_09.0125.C58.o1.tm	Method	TBLASTX:Maize
Start	3	End	290
GI	none	Score	325
Exons	3..290, 3..290		

Seq. No.	17922	Seq. ID	OJ990916_09.0125.C58
Gene No.	37526	Strand	+
Start	1	End	291
Name	OJ990916_09.0125.C58.o1.tw	Method	TBLASTX:Wheat
Start	3	End	290
GI	none	Score	107
Exons	3..89, 18..95, 84..272, 102..290		

Seq. No.	17922	Seq. ID	OJ990916_09.0125.C58
Gene No.	37526	Strand	+
Start	1	End	291
Name	OJ990916_09.0125.C58.o1.gs	Method	GENSCAN
Start	21	End	236
GI	none	Score	.89
Exons	21..236		

Seq. No.	17923	Seq. ID	OJ990916_09.0125.C60
Gene No.	37527	Strand	-
Start	39	End	680
Name	OJ990916_09.0125.C60.o1.gs	Method	GENSCAN
Start	39	End	509
GI	none	Score	.99
Exons	39..224, 315..509		

Seq. No.	17923	Seq. ID	OJ990916_09.0125.C60
Gene No.	37527	Strand	-
Start	39	End	680
Name	OJ990916_09.0125.C60.o1.tm	Method	TBLASTX:Maize
Start	315	End	679
GI	none	Score	202
Exons	315..515, 315..518, 316..519,	316..519, 592..678, 599..679	

Seq. No.	17923	Seq. ID	OJ990916_09.0125.C60
Gene No.	37527	Strand	-
Start	39	End	680
Name	OJ990916_09.0125.C60.o1.ts	Method	TBLASTX:Soybean
Start	315	End	680
GI	none	Score	139
Exons	315..518, 331..519, 547..678,	599..679, 642..680	

Seq. No.	17924	Seq. ID	OJ990916_09.0125.C61
Gene No.	37528	Strand	-
Start	684	End	1277
Name	OJ990916_09.0125.C61.o1.gs	Method	GENSCAN
Start	684	End	1277
GI	none	Score	.83
Exons	684..1277		

Seq. No.	17925	Seq. ID	OJ990916_09.0125.C62
Gene No.	37529	Strand	-

Start	384	End	841
Name	OJ990916_09.0125.C62.o1.gs	Method	GENSCAN
Start	384	End	643
GI	none	Score	.68
Exons	384..478, 547..643		

Seq. No.	17925	Seq. ID	OJ990916_09.0125.C62
Gene No.	37529	Strand	-
Start	384	End	841
Name	OJ990916_09.0125.C62.o1.gp	Method	AAT/GAP
Start	525	End	841
GI	966_1.R1084	Score	568
Exons	525..841		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	17926	Seq. ID	OJ991106_44.0207.C2
Gene No.	37530	Strand	-
Start	1	End	692
Name	OJ991106_44.0207.C2.o1.np	Method	AAT/NAP
Start	1	End	692
GI	2498930	Score	1123
Exons	1..692		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	17926	Seq. ID	OJ991106_44.0207.C2
Gene No.	37530	Strand	-
Start	1	End	692
Name	OJ991106_44.0207.C2.o1.gs	Method	GENSCAN
Start	33	End	621
GI	none	Score	.7
Exons	33..621		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37531	Strand	+
Start	3447	End	19876
Name	OJ991106_44.0207.C4.o1.np	Method	AAT/NAP
Start	3447	End	19876
GI	5295968	Score	276
Exons	3447..3542, 4291..4404, 10855..10948, 11082..11166, 11252..11332, 11815..11940, 12078..12105, 12373..12491, 19832..19876		
GI Descrip.	(AB026295) ESTs C19441(E10423),C99201(E10423) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37531	Strand	+
Start	3447	End	19876
Name	OJ991106_44.0207.C4.o1.gs	Method	GENSCAN
Start	4000	End	6316
GI	none	Score	.75
Exons	4000..4063, 4291..4389, 4422..4489, 4622..4799, 5011..5147, 5560..5678, 6157..6316		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4

Gene No.	37531	Strand	+
Start	3447	End	19876
Name	OJ991106_44.0207.C4.o2.gs	Method	GENSCAN
Start	6590	End	6856
GI	none	Score	.98
Exons	6590..6856		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37531	Strand	+
Start	3447	End	19876
Name	OJ991106_44.0207.C4.o3.gs	Method	GENSCAN
Start	6934	End	8556
GI	none	Score	.68
Exons	6934..7041, 7065..7473, 7961..8038, 8288..8556		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37532	Strand	+
Start	27963	End	43455
Name	OJ991106_44.0207.C4.o7.gs	Method	GENSCAN
Start	27963	End	43455
GI	none	Score	.62
Exons	27963..28074, 29229..29268, 30267..30612, 31979..32211, 32298..32410, 32502..32593, 33317..33386, 33490..33608, 34175..34271, 34376..34455, 34581..34775, 34859..34942, 35055..35115, 36003..36063, 36495..36588, 36680..36865, 37069..37171, 37476..37584, 38814..39149, 39308..39376, 40687..40882, 41851..42222, 42967..43455		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37532	Strand	+
Start	27963	End	43455
Name	OJ991106_44.0207.C4.o3.np	Method	AAT/NAP
Start	31833	End	37185
GI	3953458	Score	1364
Exons	31833..31986, 32502..32593, 33317..33386, 33490..33608, 34175..34455, 34581..34775, 34859..34942, 35055..35115, 36003..36063, 36495..36752, 36866..36948, 37039..37185		
GI Descrip.	(AC002328) F20N2.3 [Arabidopsis thaliana]		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37532	Strand	+
Start	27963	End	43455
Name	OJ991106_44.0207.C4.o1.gp	Method	AAT/GAP
Start	32106	End	33406
GI	uC-osrocyp006f12b1	Score	864
Exons	32106..32410, 32502..32593, 33317..33406		
GI Descrip.	'3953458 8.0e-22 (AC002328) F20N2.3 [Arabidopsis thaliana]'		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37532	Strand	+
Start	27963	End	43455
Name	OJ991106_44.0207.C4.o2.gp	Method	AAT/GAP
Start	34175	End	34964
GI	uC-osrocyp002d06b1	Score	792
Exons	34175..34271, 34376..34455, 34581..34775, 34859..34964		
GI Descrip.	'3953458 4.0e-42 (AC002328) F20N2.3 [Arabidopsis thaliana]'		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37532	Strand	+
Start	27963	End	43455
Name	OJ991106_44.0207.C4.o3.gp	Method	AAT/GAP
Start	36699	End	37546
GI	17201_1.R1084	Score	1206
Exons	36699..36752, 36866..36948, 37039..37546		
GI Descrip.	'4704662/gb\|AAD28199.1\|AF116860_1 1.0e-36 (AF116860) uracil phosphoribosyltransferase 1 [Arabidopsis thaliana]'		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37532	Strand	+
Start	27963	End	43455
Name	OJ991106_44.0207.C4.o4.np	Method	AAT/NAP
Start	38891	End	40803
GI	5032119	Score	40
Exons	38891..39148, 40763..40803		
GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi\|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37532	Strand	+
Start	27963	End	43455
Name	OJ991106_44.0207.C4.o5.np	Method	AAT/NAP
Start	41868	End	43449
GI	2827651	Score	597
Exons	41868..42222, 42967..43449		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37533	Strand	+
Start	54812	End	58137
Name	OJ991106_44.0207.C4.o11.gs	Method	GENSCAN
Start	54812	End	58119
GI	none	Score	.72
Exons	54812..54916, 56279..57069, 57106..58119		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37533	Strand	+
Start	54812	End	58137
Name	OJ991106_44.0207.C4.o8.np	Method	AAT/NAP
Start	55229	End	58137
GI	6730754	Score	660
Exons	55229..55257, 56720..58137		
GI Descrip.	(AC016529) unknown protein [Arabidopsis thaliana]		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37534	Strand	-
Start	9898	End	11597
Name	OJ991106_44.0207.C4.o4.gs	Method	GENSCAN
Start	9898	End	11597
GI	none	Score	.65
Exons	9898..10031, 10341..10489, 10559..10990, 11092..11226, 11542..11597		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4

Gene No.	37535	Strand	-
Start	16600	End	16902
Name	OJ991106_44.0207.C4.o5.gs	Method	GENSCAN
Start	16600	End	16902
GI	none	Score	.48
Exons	16600..16902		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37536	Strand	-
Start	20030	End	28022
Name	OJ991106_44.0207.C4.o6.gs	Method	GENSCAN
Start	20030	End	26858
GI	none	Score	.47
Exons	20030..20178, 21053..21225, 21402..21504, 21542..21641, 22181..22479, 22587..22682, 22775..22854, 22879..23012, 23404..23514, 23760..23900, 26434..26559, 26622..26858		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37536	Strand	-
Start	20030	End	28022
Name	OJ991106_44.0207.C4.o2.np	Method	AAT/NAP
Start	22139	End	28022
GI	4585908	Score	343
Exons	22139..22479, 22587..22635, 23120..23282, 23404..23514, 23760..23900, 26434..26559, 26667..26714, 27927..28022		
GI Descrip.	(AC006298) putative lysosomal acid lipase [Arabidopsis thaliana]		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37537	Strand	-
Start	48581	End	50813
Name	OJ991106_44.0207.C4.o5.gp	Method	AAT/GAP
Start	48389	End	50813
GI	17719_1.R1084	Score	1390
Exons	48389..48613, 48914..48981, 49052..49154, 49252..49482, 50484..50524, 50621..50657, 50751..50813		
GI Descrip.	'3914685/sp\|O48557\|RL17_MAIZE 9.0e-86 60S RIBOSOMAL PROTEIN L17 >gi_2668748 (AF034948) ribosomal protein L17 [Zea mays]'		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37537	Strand	-
Start	48581	End	50813
Name	OJ991106_44.0207.C4.o8.gs	Method	GENSCAN
Start	48581	End	49614
GI	none	Score	.73
Exons	48581..48613, 48914..48981, 49052..49154, 49252..49482, 49612..49614		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37537	Strand	-
Start	48581	End	50813
Name	OJ991106_44.0207.C4.o6.np	Method	AAT/NAP
Start	48584	End	50660
GI	3914685	Score	649
Exons	48584..48613, 48914..48981, 49052..49154, 49252..49482, 50484..50524, 50621..50660		
GI Descrip.	60S RIBOSOMAL PROTEIN L17 gi\|2668748 (AF034948) ribosomal protein L17 [Zea mays]		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o6.ts	Method	TBLASTX:Soybean
Start	23461	End	26690
GI	none	Score	101
Exons	23461..23523, 23760..23900, 23764..23901, 26422..26466, 26524..26562, 26664..26690		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o2.ts	Method	TBLASTX:Soybean
Start	32188	End	36721
GI	none	Score	74
Exons	32188..32244, 32528..32593, 33284..33391, 33316..33396, 33474..33611, 33476..33628, 34166..34270, 34166..34270, 34386..34454, 34414..34455, 34487..34786, 34561..34755, 34581..34796, 34814..34945, 34858..34962, 35054..35116, 35055..35141, 36001..36063, 36002..36061, 36488..36586, 36489..36596, 36493..36591, 36677..36721		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o4.tm	Method	TBLASTX:Maize
Start	32188	End	33628
GI	none	Score	68
Exons	32188..32244, 32389..32412, 32512..32553, 32527..32601, 32528..32593, 33284..33391, 33316..33396, 33474..33611, 33476..33628		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o3.tm	Method	TBLASTX:Maize
Start	34184	End	36725
GI	none	Score	139
Exons	34184..34267, 34184..34291, 34373..34453, 34374..34454, 34382..34453, 34414..34461, 34505..34795, 34579..34776, 34581..34796, 34814..34945, 34856..34945, 34858..34962, 35053..35115, 35054..35116, 35055..35141, 36001..36063, 36002..36061, 36009..36071, 36488..36565, 36490..36564, 36492..36566, 36494..36565, 36693..36725		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o3.tc	Method	TBLASTX:Cress
Start	34414	End	34888
GI	none	Score	51
Exons	34414..34455, 34574..34771, 34581..34796, 34666..34779, 34814..34888, 34858..34887		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-

Start	52766	End	56574
Name	OJ991106_44.0207.C4.o2.tc	Method	TBLASTX:Cress
Start	36492	End	37179
GI	none	Score	66
Exons	36492..36587, 36492..36590, 36493..36591, 36677..36757, 36691..36753, 36862..36948, 36862..36945, 37038..37178, 37039..37179		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o2.tw	Method	TBLASTX:Wheat
Start	36494	End	37106
GI	none	Score	54
Exons	36494..36535, 36495..36536, 36534..36587, 36555..36596, 36677..36757, 36679..36756, 36861..36947, 36862..36948, 37038..37106, 37039..37104		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o5.tm	Method	TBLASTX:Maize
Start	36728	End	37218
GI	none	Score	44
Exons	36728..36757, 36862..36948, 37038..37157, 37039..37158, 37141..37218		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o4.ts	Method	TBLASTX:Soybean
Start	36907	End	37179
GI	none	Score	54
Exons	36907..36948, 37038..37178, 37039..37179		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o3.tw	Method	TBLASTX:Wheat
Start	41856	End	42084
GI	none	Score	251
Exons	41856..42083, 41869..42084, 41965..42084		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o8.tm	Method	TBLASTX:Maize
Start	41868	End	42039
GI	none	Score	187
Exons	41868..42038, 41878..42039, 41968..42039		

Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o6.tm	Method	TBLASTX:Maize
Start	42997	End	43409
GI	none	Score	106

Exons	42997..43131, 43228..43383, 43233..43409		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o2.tm	Method	TBLASTX:Maize
Start	48871	End	50654
GI	none	Score	81
Exons	48871..48978, 48914..48979, 48941..48979, 49051..49134, 49052..49150, 49053..49151, 49054..49155, 49241..49483, 49249..49485, 49250..49483, 50484..50525, 50485..50523, 50607..50654		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o1.tw	Method	TBLASTX:Wheat
Start	48880	End	50668
GI	none	Score	79
Exons	48880..48981, 48893..48979, 48913..48981, 49051..49134, 49053..49151, 49054..49155, 49249..49485, 49250..49483, 49252..49488, 50484..50525, 50485..50523, 50620..50658, 50621..50668		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o1.tc	Method	TBLASTX:Gress
Start	48914	End	49485
GI	none	Score	58
Exons	48914..48979, 48931..48981, 48941..48979, 49053..49151, 49054..49155, 49067..49156, 49249..49485, 49250..49483		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o1.ts	Method	TBLASTX:Soybean
Start	48941	End	50714
GI	none	Score	48
Exons	48941..48979, 48941..48979, 48942..48980, 49053..49151, 49053..49151, 49054..49155, 49249..49485, 49250..49483, 50484..50525, 50622..50714		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o10.gs	Method	GENSCAN
Start	52766	End	53753
GI	none	Score	.66
Exons	52766..53217, 53729..53753		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o7.np	Method	AAT/NAP
Start	52904	End	56574
GI	6069646	Score	146

Exons	52904..53186, 56546..56574		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37538	Strand	-
Start	52766	End	56574
Name	OJ991106_44.0207.C4.o7.tm	Method	TBLASTX:Maize
Start	52904	End	53188
GI	none	Score	70
Exons	52904..53188, 53004..53105		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37539	Strand	
Start	56837	End	58072
Name	OJ991106_44.0207.C4.o5.ts	Method	TBLASTX:Soybean
Start	56837	End	57214
GI	none	Score	235
Exons	56837..57214, 56905..57063, 57154..57213		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37539	Strand	
Start	56837	End	58072
Name	OJ991106_44.0207.C4.o1.tm	Method	TBLASTX:Maize
Start	56852	End	57790
GI	none	Score	403
Exons	56852..57442, 56899..57084, 57085..57129, 57115..57444, 57518..57655, 57674..57790		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37539	Strand	
Start	56837	End	58072
Name	OJ991106_44.0207.C4.o4.tc	Method	TBLASTX:Cress
Start	57203	End	57976
GI	none	Score	98
Exons	57203..57442, 57518..57646, 57674..57796, 57845..57976		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37539	Strand	
Start	56837	End	58072
Name	OJ991106_44.0207.C4.o4.tw	Method	TBLASTX:Wheat
Start	57536	End	57934
GI	none	Score	99
Exons	57536..57655, 57674..57790, 57833..57934		
Seq. No.	17927	Seq. ID	OJ991106_44.0207.C4
Gene No.	37539	Strand	
Start	56837	End	58072
Name	OJ991106_44.0207.C4.o3.ts	Method	TBLASTX:Soybean
Start	57545	End	58072
GI	none	Score	93
Exons	57545..57652, 57674..57796, 57833..58072		
Seq. No.	17928	Seq. ID	OJ991106_44.0207.C6

Gene No.	37540	Strand	+
Start	14	End	73
Name	OJ991106_44.0207.C6.o1.gs	Method	GENSCAN
Start	14	End	73
GI	none	Score	.96
Exons	14..73		

Seq. No.	17928	Seq. ID	OJ991106_44.0207.C6
Gene No.	37541	Strand	
Start	5	End	372
Name	OJ991106_44.0207.C6.o1.tm	Method	TBLASTX:Maize
Start	5	End	372
GI	none	Score	94
Exons	5..70, 15..71, 149..370, 150..371, 154..372, 154..372		

Seq. No.	17929	Seq. ID	OJ991106_44.0207.C7
Gene No.	37542	Strand	-
Start	1	End	783
Name	OJ991106_44.0207.C7.o1.np	Method	AAT/NAP
Start	1	End	783
GI	5091513	Score	1258
Exons	1..783		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17929	Seq. ID	OJ991106_44.0207.C7
Gene No.	37542	Strand	-
Start	1	End	783
Name	OJ991106_44.0207.C7.o1.gs	Method	GENSCAN
Start	53	End	664
GI	none	Score	.46
Exons	53..664		

Seq. No.	17930	Seq. ID	OJ991106_44.0207.C8
Gene No.	37543	Strand	+
Start	119	End	2133
Name	OJ991106_44.0207.C8.o1.gs	Method	GENSCAN
Start	119	End	2133
GI	none	Score	.65
Exons	119..269, 1782..2133		

Seq. No.	17930	Seq. ID	OJ991106_44.0207.C8
Gene No.	37544	Strand	+
Start	6696	End	7009
Name	OJ991106_44.0207.C8.o1.gp	Method	AAT/GAP
Start	6696	End	7009
GI	72524_1.R1084	Score	419
Exons	6696..7009		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	17930	Seq. ID	OJ991106_44.0207.C8
Gene No.	37545	Strand	+
Start	7427	End	10983
Name	OJ991106_44.0207.C8.o3.gs	Method	GENSCAN
Start	7427	End	8839
GI	none	Score	.5
Exons	7427..8017, 8099..8839		

Seq. No.	17930	Seq. ID	OJ991106_44.0207.C8
Gene No.	37545	Strand	+
Start	7427	End	10983
Name	OJ991106_44.0207.C8.o1.np	Method	AAT/NAP
Start	7446	End	10983
GI	5091513	Score	2907
Exons	7446..8897, 9640..10983		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17930	Seq. ID	OJ991106_44.0207.C8
Gene No.	37545	Strand	+
Start	7427	End	10983
Name	OJ991106_44.0207.C8.o4.gs	Method	GENSCAN
Start	9745	End	10967
GI	none	Score	.55
Exons	9745..10252, 10266..10967		

Seq. No.	17930	Seq. ID	OJ991106_44.0207.C8
Gene No.	37546	Strand	-
Start	2886	End	7325
Name	OJ991106_44.0207.C8.o2.gs	Method	GENSCAN
Start	2886	End	7325
GI	none	Score	.93
Exons	2886..3021, 6402..6681, 7028..7325		

Seq. No.	17931	Seq. ID	OJ991106_44.0207.C9
Gene No.	37547	Strand	+
Start	1	End	5532
Name	OJ991106_44.0207.C9.o1.np	Method	AAT/NAP
Start	1	End	5532
GI	5091513	Score	1371
Exons	1..1177, 1226..1485, 2203..2399, 5507..5532		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17931	Seq. ID	OJ991106_44.0207.C9
Gene No.	37547	Strand	+
Start	1	End	5532
Name	OJ991106_44.0207.C9.o1.gs	Method	GENSCAN
Start	170	End	5205
GI	none	Score	.57
Exons	170..591, 699..1015, 1098..1315, 1362..1584, 1888..2210, 3152..3187, 4215..4378, 5088..5205		

Seq. No.	17931	Seq. ID	OJ991106_44.0207.C9
Gene No.	37548	Strand	-
Start	3824	End	4135
Name	OJ991106_44.0207.C9.o1.gp	Method	AAT/GAP
Start	3824	End	4135
GI	72524_1.R1084	Score	417
Exons	3824..4135		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	17932	Seq. ID	OJ991106_44.0207.C10
Gene No.	37549	Strand	-
Start	969	End	1068

Name	OJ991106_44.0207.C10.o1.gs	Method	GENSCAN
Start	969	End	1068
GI	none	Score	.48
Exons	969..1068		

Seq. No.	17933	Seq. ID	OJ991106_44.0207.C11
Gene No.	37550	Strand	+
Start	14801	End	15746
Name	OJ991106_44.0207.C11.o3.gs	Method	GENSCAN
Start	14801	End	15746
GI	none	Score	.41
Exons	14801..14960, 15505..15746		

Seq. No.	17933	Seq. ID	OJ991106_44.0207.C11
Gene No.	37551	Strand	-
Start	428	End	8162
Name	OJ991106_44.0207.C11.o1.gs	Method	GENSCAN
Start	428	End	8162
GI	none	Score	.51
Exons	428..514, 885..937, 1210..1285, 1519..1690, 6823..7075, 8120..8162		

Seq. No.	17933	Seq. ID	OJ991106_44.0207.C11
Gene No.	37551	Strand	-
Start	428	End	8162
Name	OJ991106_44.0207.C11.o1.np	Method	AAT/NAP
Start	449	End	2472
GI	6721512	Score	34
Exons	449..572, 2428..2472		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17933	Seq. ID	OJ991106_44.0207.C11
Gene No.	37552	Strand	-
Start	9440	End	12518
Name	OJ991106_44.0207.C11.o1.gp	Method	AAT/GAP
Start	9272	End	9853
GI	3107271	Score	554
Exons	9272..9517, 9799..9853		

Seq. No.	17933	Seq. ID	OJ991106_44.0207.C11
Gene No.	37552	Strand	-
Start	9440	End	12518
Name	OJ991106_44.0207.C11.o2.gs	Method	GENSCAN
Start	9440	End	12518
GI	none	Score	.69
Exons	9440..9517, 9799..9897, 10445..10514, 10885..11048, 11127..11249, 12073..12194, 12224..12518		

Seq. No.	17933	Seq. ID	OJ991106_44.0207.C11
Gene No.	37552	Strand	-
Start	9440	End	12518
Name	OJ991106_44.0207.C11.o2.np	Method	AAT/NAP
Start	9443	End	12518
GI	6091731	Score	620
Exons	9443..9517, 9799..9897, 10445..10514, 10885..11048, 11127..11249, 11476..11554, 12073..12190, 12314..12518		
GI Descrip.	(AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17933	Seq. ID	OJ991106_44.0207.C11
Gene No.	37552	Strand	-
Start	9440	End	12518
Name	OJ991106_44.0207.C11.o1.tm	Method	TBLASTX:Maize
Start	10920	End	12410
GI	none	Score	173
Exons	10920..11057, 10921..11046, 10934..11056, 11127..11252, 11128..11250, 11380..11412, 11500..11553, 11503..11559, 12066..12179, 12073..12195, 12137..12196, 12312..12410, 12313..12402		

Seq. No.	17933	Seq. ID	OJ991106_44.0207.C11
Gene No.	37553	Strand	
Start	14774	End	15572
Name	OJ991106_44.0207.C11.o2.tm	Method	TBLASTX:Maize
Start	14774	End	15572
GI	none	Score	280
Exons	14774..14881, 14802..14963, 15484..15570, 15491..15571, 15498..15572		

Seq. No.	17934	Seq. ID	OJ991106_44.0207.C12
Gene No.	37554	Strand	+
Start	194	End	653
Name	OJ991106_44.0207.C12.o1.gs	Method	GENSCAN
Start	194	End	653
GI	none	Score	.89
Exons	194..290, 382..653		

Seq. No.	17935	Seq. ID	OJ991106_44.0207.C14
Gene No.	37555	Strand	-
Start	1	End	293
Name	OJ991106_44.0207.C14.o1.np	Method	AAT/NAP
Start	1	End	293
GI	2498930	Score	52
Exons	1..78, 160..293		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	17935	Seq. ID	OJ991106_44.0207.C14
Gene No.	37555	Strand	-
Start	1	End	293
Name	OJ991106_44.0207.C14.o1.gs	Method	GENSCAN
Start	162	End	221
GI	none	Score	.99
Exons	162..221		

Seq. No.	17936	Seq. ID	OJ991106_44.0207.C15
Gene No.	37556	Strand	+
Start	1712	End	5023
Name	OJ991106_44.0207.C15.o1.gp	Method	AAT/GAP
Start	1712	End	5023
GI	31922_1.R1084	Score	1462
Exons	1712..1810, 2858..2973, 3057..3119, 3197..3233, 3323..3404, 3877..3995, 4072..4167, 4739..4849, 4922..5023		
GI Descrip.	'6091746/gb\|AAF03458.1\|AC010797_34 1.0e-179 (AC010797) putative sulfite oxidase [Arabidopsis thaliana]'		

Seq. No.	17936	Seq. ID	OJ991106_44.0207.C15
Gene No.	37556	Strand	+
Start	1712	End	5023
Name	OJ991106_44.0207.C15.o1.np	Method	AAT/NAP
Start	1736	End	5023
GI	6091746	Score	919
Exons	1736..1810, 2858..2973, 3057..3119, 3197..3233, 3323..3404, 3877..3995, 4072..4167, 4739..4849, 4922..5023		
GI Descrip.	(AC010797) putative sulfite oxidase [Arabidopsis thaliana] gi\|6513940\|gb\|AAF14844.1\|AC011664_26 (AC011664) sulfite oxidase (SOX) [Arabidopsis thaliana]		

Seq. No.	17936	Seq. ID	OJ991106_44.0207.C15
Gene No.	37556	Strand	+
Start	1712	End	5023
Name	OJ991106_44.0207.C15.o2.gs	Method	GENSCAN
Start	3347	End	4849
GI	none	Score	.68
Exons	3347..3404, 3877..3995, 4072..4167, 4739..4849		

Seq. No.	17936	Seq. ID	OJ991106_44.0207.C15
Gene No.	37557	Strand	-
Start	1469	End	5023
Name	OJ991106_44.0207.C15.o1.gs	Method	GENSCAN
Start	1469	End	2047
GI	none	Score	.73
Exons	1469..1576, 1838..2047		

Seq. No.	17936	Seq. ID	OJ991106_44.0207.C15
Gene No.	37557	Strand	-
Start	1469	End	5023
Name	OJ991106_44.0207.C15.o1.tm	Method	TBLASTX:Maize
Start	1733	End	3977
GI	none	Score	121
Exons	1733..1810, 1735..1815, 1735..1830, 2851..2973, 2855..2974, 2902..2976, 3049..3117, 3054..3128, 3055..3120, 3198..3233, 3200..3232, 3296..3400, 3302..3400, 3321..3401, 3875..3958, 3876..3977, 3876..3971		

Seq. No.	17936	Seq. ID	OJ991106_44.0207.C15
Gene No.	37557	Strand	-
Start	1469	End	5023
Name	OJ991106_44.0207.C15.o1.ts	Method	TBLASTX:Soybean
Start	1733	End	5023
GI	none	Score	101
Exons	1733..1810, 1735..1830, 2855..2980, 2857..2961, 3049..3117, 3197..3229, 3197..3232, 3201..3233, 3302..3403, 3318..3407, 3322..3408, 3875..3958, 3876..3995, 4071..4166, 4072..4167, 4736..4849, 4741..4806, 4745..4849, 4753..4857, 4914..4958, 4918..5019, 4919..5023		

Seq. No.	17936	Seq. ID	OJ991106_44.0207.C15
Gene No.	37557	Strand	-
Start	1469	End	5023
Name	OJ991106_44.0207.C15.o1.tc	Method	TBLASTX:Cress
Start	2855	End	3406

GI	none	Score	180
Exons	2855..2980, 2857..2967, 3043..3120, 3195..3233, 3200..3226, 3302..3406, 3322..3405		

Seq. No.	17936	Seq. ID	OJ991106_44.0207.C15
Gene No.	37557	Strand	-
Start	1469	End	5023
Name	OJ991106_44.0207.C15.o2.tm	Method	TBLASTX:Maize
Start	4070	End	5023
GI	none	Score	105
Exons	4070..4168, 4071..4169, 4072..4170, 4736..4849, 4745..4849, 4759..4854, 4919..5023, 4921..5022		

Seq. No.	17937	Seq. ID	OJ991106_44.0207.C16
Gene No.	37558	Strand	+
Start	1	End	425
Name	OJ991106_44.0207.C16.o1.gp	Method	AAT/GAP
Start	1	End	425
GI	31922_1.R1084	Score	695
Exons	1..425		
GI Descrip.	'6091746/gb\|AAF03458.1\|AC010797_34 1.0e-179 (AC010797) putative sulfite oxidase [Arabidopsis thaliana]'		

Seq. No.	17937	Seq. ID	OJ991106_44.0207.C16
Gene No.	37558	Strand	+
Start	1	End	425
Name	OJ991106_44.0207.C16.o1.np	Method	AAT/NAP
Start	1	End	159
GI	6091746	Score	134
Exons	1..159		
GI Descrip.	(AC010797) putative sulfite oxidase [Arabidopsis thaliana] gi\|6513940\|gb\|AAF14844.1\|AC011664_26 (AC011664) sulfite oxidase (SOX) [Arabidopsis thaliana]		

Seq. No.	17937	Seq. ID	OJ991106_44.0207.C16
Gene No.	37559	Strand	-
Start	951	End	2254
Name	OJ991106_44.0207.C16.o2.tm	Method	TBLASTX:Maize
Start	25	End	165
GI	none	Score	213
Exons	25..165, 34..150		

Seq. No.	17937	Seq. ID	OJ991106_44.0207.C16
Gene No.	37559	Strand	-
Start	951	End	2254
Name	OJ991106_44.0207.C16.o2.gp	Method	AAT/GAP
Start	447	End	990
GI	4716063	Score	855
Exons	447..806, 886..990		

Seq. No.	17937	Seq. ID	OJ991106_44.0207.C16
Gene No.	37559	Strand	-
Start	951	End	2254
Name	OJ991106_44.0207.C16.o1.tm	Method	TBLASTX:Maize
Start	896	End	2189
GI	none	Score	72
Exons	896..958, 900..959, 1755..1778, 1757..1927, 1759..1884,		

1810..1929, 1869..1937, 2018..2188, 2108..2161, 2118..2189

Seq. No.	17937	Seq. ID	OJ991106_44.0207.C16
Gene No.	37559	Strand	-
Start	951	End	2254
Name	OJ991106_44.0207.C16.o1.gs	Method	GENSCAN
Start	951	End	2254
GI	none	Score	.61
Exons	951..1004, 1225..1311, 1759..1929, 2021..2254		

Seq. No.	17937	Seq. ID	OJ991106_44.0207.C16
Gene No.	37559	Strand	-
Start	951	End	2254
Name	OJ991106_44.0207.C16.o1.ts	Method	TBLASTX:Soybean
Start	2018	End	2173
GI	none	Score	190
Exons	2018..2173		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37560	Strand	+
Start	6909	End	7980
Name	OJ991106_44.0207.C17.o2.gs	Method	GENSCAN
Start	6909	End	7980
GI	none	Score	.96
Exons	6909..7216, 7487..7547, 7828..7980		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37561	Strand	+
Start	8888	End	10470
Name	OJ991106_44.0207.C17.o2.gp	Method	AAT/GAP
Start	8780	End	9063
GI	none	Score	405
Exons	8780..9063		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37561	Strand	+
Start	8888	End	10470
Name	OJ991106_44.0207.C17.o3.gs	Method	GENSCAN
Start	8888	End	10470
GI	none	Score	.99
Exons	8888..9055, 10285..10470		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37562	Strand	+
Start	13883	End	19326
Name	OJ991106_44.0207.C17.o3.gp	Method	AAT/GAP
Start	13770	End	16019
GI	none	Score	922
Exons	13770..14041, 15490..15581, 15756..15822, 15938..16019		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37562	Strand	+
Start	13883	End	19326
Name	OJ991106_44.0207.C17.o5.gs	Method	GENSCAN
Start	13883	End	19326
GI	none	Score	.81
Exons	13883..14041, 14274..14431, 15783..15822, 15938..16057,		

16211..16442, 16944..17025, 17404..17536, 17751..17956,
18052..18177, 18627..19326

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37562	Strand	+
Start	13883	End	19326
Name	OJ991106_44.0207.C17.o1.np	Method	AAT/NAP
Start	15935	End	19323
GI	4455232	Score	1664
Exons	15935..16057, 16211..16437, 17404..17536, 17751..17956, 18052..18177, 18711..19323		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37562	Strand	+
Start	13883	End	19326
Name	OJ991106_44.0207.C17.o4.gp	Method	AAT/GAP
Start	17810	End	18784
GI	LIB3433-032-P1-K1-F7	Score	593
Exons	17810..17956, 18052..18177, 18711..18784		
GI Descrip.	'4455232/emb\|CAB36731.1\| 2.0e-48 (AL035523) putative protein [Arabidopsis thaliana]'		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37563	Strand	+
Start	22381	End	24953
Name	OJ991106_44.0207.C17.o6.gs	Method	GENSCAN
Start	22381	End	24881
GI	none	Score	.83
Exons	22381..22527, 22688..22798, 23174..23419, 23516..23734, 24312..24471, 24567..24718, 24794..24881		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37563	Strand	+
Start	22381	End	24953
Name	OJ991106_44.0207.C17.o2.np	Method	AAT/NAP
Start	22727	End	24953
GI	4455199	Score	740
Exons	22727..22798, 22887..23115, 23169..23419, 23516..23734, 24072..24227, 24312..24471, 24567..24718, 24794..24953		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37564	Strand	-
Start	6811	End	7199
Name	OJ991106_44.0207.C17.o1.gp	Method	AAT/GAP
Start	6811	End	7199
GI	2442212	Score	617
Exons	6811..7199		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37565	Strand	-
Start	19023	End	19625
Name	OJ991106_44.0207.C17.o1.tm	Method	TBLASTX:Maize
Start	8944	End	19337
GI	none	Score	127
Exons	8944..9051, 8945..9055, 13930..14037, 13949..14041,		

15486..15569, 15487..15579, 15487..15579, 15489..15581,
15790..15822, 15931..16050, 15932..16084, 15935..16084,
16211..16375, 16228..16374, 16414..16458, 16420..16458,
16942..17028, 16943..17026, 17404..17532, 17405..17566,
17748..17951, 17750..17956, 18049..18180, 18050..18181,
18682..19335, 18711..19319, 19117..19335, 19125..19337

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37565	Strand	-
Start	19023	End	19625
Name	OJ991106_44.0207.C17.o1.ts	Method	TBLASTX:Soybean
Start	8957	End	19332
GI	none	Score	87

Exons 8957..9049, 13949..14035, 15487..15579, 15489..15581,
15961..16047, 15962..16075, 16211..16366, 16237..16365,
16421..16456, 16942..17028, 16943..17020, 17386..17565,
17396..17566, 17748..17954, 17750..17956, 17783..17956,
18049..18180, 18050..18181, 18697..19332, 18711..19253,
19138..19257

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37565	Strand	-
Start	19023	End	19625
Name	OJ991106_44.0207.C17.o5.gp	Method	AAT/GAP
Start	19023	End	19625
GI	4588_1.R1084	Score	1123

Exons 19023..19625

GI Descrip. '4455232/emb|CAB36731.1| 4.0e-32 (AL035523) putative protein
[Arabidopsis thaliana]'

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37565	Strand	-
Start	19023	End	19625
Name	OJ991106_44.0207.C17.o1.tw	Method	TBLASTX:Wheat
Start	19143	End	19334
GI	none	Score	250

Exons 19143..19319, 19153..19326, 19153..19326, 19158..19334

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37566	Strand	
Start	22713	End	23437
Name	OJ991106_44.0207.C17.o3.ts	Method	TBLASTX:Soybean
Start	22713	End	23284
GI	none	Score	59

Exons 22713..22799, 22875..22907, 22881..22904, 22948..23088,
22965..23090, 22965..23084, 23168..23284, 23173..23280

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37566	Strand	
Start	22713	End	23437
Name	OJ991106_44.0207.C17.o3.tm	Method	TBLASTX:Maize
Start	22866	End	23320
GI	none	Score	46

Exons 22866..22907, 22965..23087, 23174..23320

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37566	Strand	

Start	22713	End	23437
Name	OJ991106_44.0207.C17.o2.tc	Method	TBLASTX:Cress
Start	22875	End	23437
GI	none	Score	42
Exons	22875..22907, 22889..22984, 22894..22980, 22965..23087, 22967..23086, 23173..23238, 23174..23233, 23195..23437		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37567	Strand	
Start	23345	End	24913
Name	OJ991106_44.0207.C17.o2.ts	Method	TBLASTX:Soybean
Start	23345	End	24736
GI	none	Score	86
Exons	23345..23437, 23624..23866, 24069..24227, 24303..24473, 24308..24400, 24556..24675, 24563..24721, 24599..24736		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37567	Strand	
Start	23345	End	24913
Name	OJ991106_44.0207.C17.o2.tm	Method	TBLASTX:Maize
Start	23513	End	24913
GI	none	Score	83
Exons	23513..23641, 24069..24227, 24303..24473, 24308..24400, 24548..24718, 24556..24675, 24776..24913, 24793..24879		

Seq. No.	17938	Seq. ID	OJ991106_44.0207.C17
Gene No.	37567	Strand	
Start	23345	End	24913
Name	OJ991106_44.0207.C17.o1.tc	Method	TBLASTX:Cress
Start	24318	End	24885
GI	none	Score	98
Exons	24318..24476, 24556..24666, 24563..24715, 24608..24712, 24776..24883, 24793..24885		

Seq. No.	17939	Seq. ID	OJ991106_44.0207.C19
Gene No.	37568	Strand	+
Start	370	End	588
Name	OJ991106_44.0207.C19.o1.gp	Method	AAT/GAP
Start	370	End	588
GI	2311471	Score	373
Exons	370..588		

Seq. No.	17939	Seq. ID	OJ991106_44.0207.C19
Gene No.	37568	Strand	+
Start	370	End	588
Name	OJ991106_44.0207.C19.o1.gs	Method	GENSCAN
Start	380	End	588
GI	none	Score	.47
Exons	380..588		

Seq. No.	17940	Seq. ID	OJ991106_36.0207.C1
Gene No.	37569	Strand	+
Start	1	End	103
Name	OJ991106_36.0207.C1.o1.gp	Method	AAT/GAP
Start	1	End	103
GI	LIB3477-003-P1-K1-E9	Score	183
Exons	1..103		

GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	17940	Seq. ID	OJ991106_36.0207.C1
Gene No.	37570	Strand	-
Start	1	End	121
Name	OJ991106_36.0207.C1.o2.gp	Method	AAT/GAP
Start	1	End	121
GI	LIB3477-003-P1-K1-E9	Score	183
Exons	1..121		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	17941	Seq. ID	OJ991106_36.0207.C2
Gene No.	37571	Strand	-
Start	431	End	10115
Name	OJ991106_36.0207.C2.o1.gs	Method	GENSCAN
Start	431	End	5971
GI	none	Score	.5
Exons	431..730, 1002..1157, 2307..2488, 2603..2812, 4052..4867, 5161..5971		
Seq. No.	17941	Seq. ID	OJ991106_36.0207.C2
Gene No.	37571	Strand	-
Start	431	End	10115
Name	OJ991106_36.0207.C2.o1.np	Method	AAT/NAP
Start	2354	End	10115
GI	4680207	Score	1023
Exons	2354..2458, 4170..5079, 5116..6044, 7218..8023, 8542..8577, 10088..10115		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	17941	Seq. ID	OJ991106_36.0207.C2
Gene No.	37571	Strand	-
Start	431	End	10115
Name	OJ991106_36.0207.C2.o1.tc	Method	TBLASTX:Cress
Start	5384	End	7451
GI	none	Score	74
Exons	5384..5467, 5555..5791, 5798..5890, 6017..6130, 7389..7451		
Seq. No.	17941	Seq. ID	OJ991106_36.0207.C2
Gene No.	37571	Strand	-
Start	431	End	10115
Name	OJ991106_36.0207.C2.o1.ts	Method	TBLASTX:Soybean
Start	5390	End	6130
GI	none	Score	40
Exons	5390..5548, 5501..5536, 5579..5719, 5579..5719, 5813..5902, 5823..5945, 6008..6130		
Seq. No.	17941	Seq. ID	OJ991106_36.0207.C2
Gene No.	37571	Strand	-
Start	431	End	10115
Name	OJ991106_36.0207.C2.o1.tm	Method	TBLASTX:Maize
Start	5396	End	5884

GI	none	Score	78
Exons	5396..5548, 5402..5548, 5579..5725, 5580..5687, 5813..5884		

Seq. No.	17942	Seq. ID	OJ991106_36.0207.C5
Gene No.	37572	Strand	+
Start	727	End	1907
Name	OJ991106_36.0207.C5.o1.gs	Method	GENSCAN
Start	727	End	1907
GI	none	Score	.55
Exons	727..1035, 1812..1907		

Seq. No.	17942	Seq. ID	OJ991106_36.0207.C5
Gene No.	37573	Strand	-
Start	1	End	1950
Name	OJ991106_36.0207.C5.o1.np	Method	AAT/NAP
Start	1	End	1950
GI	2191187	Score	105
Exons	1..44, 1676..1950		
GI Descrip.	(AF007271) contains similarity to a DNAJ-like domain [Arabidopsis thaliana]		

Seq. No.	17942	Seq. ID	OJ991106_36.0207.C5
Gene No.	37573	Strand	-
Start	1	End	1950
Name	OJ991106_36.0207.C5.o1.tm	Method	TBLASTX:Maize
Start	1707	End	1950
GI	none	Score	255
Exons	1707..1865, 1708..1950, 1709..1948		

Seq. No.	17943	Seq. ID	OJ991106_36.0207.C6
Gene No.	37574	Strand	+
Start	108	End	4837
Name	OJ991106_36.0207.C6.o1.gs	Method	GENSCAN
Start	108	End	4817
GI	none	Score	.74
Exons	108..1116, 1217..1361, 1459..1584, 1690..1806, 2586..3347, 3430..3749, 3834..3960, 4045..4212, 4307..4817		

Seq. No.	17943	Seq. ID	OJ991106_36.0207.C6
Gene No.	37574	Strand	+
Start	108	End	4837
Name	OJ991106_36.0207.C6.o1.np	Method	AAT/NAP
Start	703	End	4837
GI	5902400	Score	714
Exons	703..1116, 1217..1339, 1426..1806, 2586..3347, 3430..3749, 3834..3964, 4809..4837		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	17943	Seq. ID	OJ991106_36.0207.C6
Gene No.	37574	Strand	+
Start	108	End	4837
Name	OJ991106_36.0207.C6.o3.tm	Method	TBLASTX:Maize
Start	848	End	1258
GI	none	Score	160
Exons	848..1039, 1016..1102, 1226..1258		

Seq. No.	17943	Seq. ID	OJ991106_36.0207.C6

Gene No.	37574	Strand	+
Start	108	End	4837
Name	OJ991106_36.0207.C6.o2.ts	Method	TBLASTX:Soybean
Start	977	End	1316
GI	none	Score	146
Exons	977..1105, 982..1101, 1212..1316		

Seq. No.	17943	Seq. ID	OJ991106_36.0207.C6
Gene No.	37574	Strand	+
Start	108	End	4837
Name	OJ991106_36.0207.C6.o1.tm	Method	TBLASTX:Maize
Start	3420	End	3927
GI	none	Score	116
Exons	3420..3518, 3421..3594, 3429..3593, 3601..3747, 3612..3746, 3647..3766, 3835..3927, 3837..3923		

Seq. No.	17943	Seq. ID	OJ991106_36.0207.C6
Gene No.	37574	Strand	+
Start	108	End	4837
Name	OJ991106_36.0207.C6.o1.tc	Method	TBLASTX:Cress
Start	3427	End	3933
GI	none	Score	98
Exons	3427..3528, 3438..3536, 3529..3588, 3541..3594, 3606..3749, 3607..3750, 3838..3933		

Seq. No.	17943	Seq. ID	OJ991106_36.0207.C6
Gene No.	37574	Strand	+
Start	108	End	4837
Name	OJ991106_36.0207.C6.o1.ts	Method	TBLASTX:Soybean
Start	3438	End	3752
GI	none	Score	92
Exons	3438..3533, 3439..3528, 3459..3530, 3534..3593, 3535..3594, 3607..3750, 3612..3749, 3633..3752, 3650..3751		

Seq. No.	17943	Seq. ID	OJ991106_36.0207.C6
Gene No.	37574	Strand	+
Start	108	End	4837
Name	OJ991106_36.0207.C6.o2.tm	Method	TBLASTX:Maize
Start	4049	End	4501
GI	none	Score	100
Exons	4049..4159, 4049..4159, 4135..4221, 4143..4223, 4299..4469, 4304..4501, 4306..4434		

Seq. No.	17943	Seq. ID	OJ991106_36.0207.C6
Gene No.	37574	Strand	+
Start	108	End	4837
Name	OJ991106_36.0207.C6.o1.gp	Method	AAT/GAP
Start	4120	End	4485
GI	3107528	Score	390
Exons	4120..4212, 4307..4485		

Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37575	Strand	+
Start	1	End	6994
Name	OJ991106_36.0207.C7.o1.gp	Method	AAT/GAP
Start	1	End	284
GI	29667_1.R1084	Score	532

Exons	1..284		
GI Descrip.	'4455338/emb\|CAB36798.1\| 5.0e-13 (AL035525) putative protein [Arabidopsis thaliana]'		
Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37575	Strand	+
Start	1	End	6994
Name	OJ991106_36.0207.C7.o1.np	Method	AAT/NAP
Start	1	End	1294
GI	4455338	Score	781
Exons	1..444, 535..795, 955..1294		
GI Descrip.	(AL035525) putative protein [Arabidopsis thaliana]		
Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37575	Strand	+
Start	1	End	6994
Name	OJ991106_36.0207.C7.o2.np	Method	AAT/NAP
Start	1	End	6994
GI	2191159	Score	138
Exons	1..24, 1886..2262, 3455..3911, 6966..6994		
GI Descrip.	(AF007270) Similar to serine hydroxymethyltransferase; coded for by A. thaliana cDNA T42313; coded for by A. thaliana cDNA W43384 [Arabidopsis thaliana]		
Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37575	Strand	+
Start	1	End	6994
Name	OJ991106_36.0207.C7.o1.gs	Method	GENSCAN
Start	92	End	3559
GI	none	Score	.54
Exons	92..438, 535..795, 955..1074, 1963..2093, 2573..2639, 3455..3559		
Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37575	Strand	+
Start	1	End	6994
Name	OJ991106_36.0207.C7.o2.gp	Method	AAT/GAP
Start	1152	End	1611
GI	2311449	Score	866
Exons	1152..1611		
Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37575	Strand	+
Start	1	End	6994
Name	OJ991106_36.0207.C7.o3.gp	Method	AAT/GAP
Start	2017	End	2214
GI	none	Score	350
Exons	2017..2214		
Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37576	Strand	-
Start	3622	End	4064
Name	OJ991106_36.0207.C7.o1.tc	Method	TBLASTX:Cress
Start	72	End	428
GI	none	Score	117
Exons	72..371, 84..428, 85..426		
Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7

Gene No.	37576	Strand	-
Start	3622	End	4064
Name	OJ991106_36.0207.C7.o1.ts	Method	TBLASTX:Soybean
Start	79	End	1188
GI	none	Score	369
Exons	79..441, 87..440, 538..795, 552..791, 946..1086, 957..1085, 1095..1187, 1096..1188		

Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37576	Strand	-
Start	3622	End	4064
Name	OJ991106_36.0207.C7.o1.tm	Method	TBLASTX:Maize
Start	118	End	1202
GI	none	Score	399
Exons	118..447, 123..440, 130..447, 519..782, 526..789, 527..784, 528..794, 532..795, 946..1188, 958..1188, 960..1202		

Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37576	Strand	-
Start	3622	End	4064
Name	OJ991106_36.0207.C7.o2.tc	Method	TBLASTX:Cress
Start	538	End	1068
GI	none	Score	250
Exons	538..798, 562..789, 946..1068, 961..1062, 963..1067		

Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37576	Strand	-
Start	3622	End	4064
Name	OJ991106_36.0207.C7.o4.tm	Method	TBLASTX:Maize
Start	1889	End	2218
GI	none	Score	48
Exons	1889..1927, 1889..1954, 1929..1955, 1972..2103, 2065..2112, 2100..2147, 2151..2210, 2156..2218, 2157..2216		

Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37576	Strand	-
Start	3622	End	4064
Name	OJ991106_36.0207.C7.o2.ts	Method	TBLASTX:Soybean
Start	2065	End	3909
GI	none	Score	51
Exons	2065..2103, 2157..2216, 3452..3547, 3485..3550, 3502..3555, 3601..3636, 3603..3635, 3605..3649, 3672..3809, 3679..3810, 3840..3872, 3850..3909, 3872..3907		

Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37576	Strand	-
Start	3622	End	4064
Name	OJ991106_36.0207.C7.o2.tm	Method	TBLASTX:Maize
Start	3452	End	3913
GI	none	Score	70
Exons	3452..3547, 3454..3501, 3481..3579, 3485..3637, 3497..3628, 3502..3636, 3538..3642, 3547..3648, 3659..3799, 3679..3810, 3680..3811, 3681..3809, 3835..3912, 3840..3872, 3872..3913		

Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37576	Strand	-
Start	3622	End	4064

Name	OJ991106_36.0207.C7.o1.tw	Method	TBLASTX:Wheat
Start	3601	End	3907
GI	none	Score	41
Exons	3601..3642, 3604..3648, 3672..3809, 3679..3810, 3681..3821, 3835..3906, 3840..3872, 3872..3907		

Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37576	Strand	-
Start	3622	End	4064
Name	OJ991106_36.0207.C7.o3.tc	Method	TBLASTX:Cress
Start	3613	End	3907
GI	none	Score	42
Exons	3613..3648, 3672..3836, 3679..3810, 3731..3811, 3840..3872, 3872..3907		

Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37576	Strand	-
Start	3622	End	4064
Name	OJ991106_36.0207.C7.o4.gp	Method	AAT/GAP
Start	3622	End	4064
GI	none	Score	817
Exons	3622..4064		

Seq. No.	17944	Seq. ID	OJ991106_36.0207.C7
Gene No.	37577	Strand	
Start	8825	End	9247
Name	OJ991106_36.0207.C7.o3.tm	Method	TBLASTX:Maize
Start	8825	End	9247
GI	none	Score	134
Exons	8825..9001, 9098..9247		

Seq. No.	17945	Seq. ID	OJ991106_36.0207.C8
Gene No.	37578	Strand	+
Start	1217	End	1534
Name	OJ991106_36.0207.C8.o1.gs	Method	GENSCAN
Start	1217	End	1534
GI	none	Score	.51
Exons	1217..1534		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37579	Strand	+
Start	43	End	7240
Name	OJ991106_36.0207.C9.o1.gs	Method	GENSCAN
Start	43	End	3999
GI	none	Score	.81
Exons	43..91, 726..776, 1125..1330, 1427..1513, 1569..1694, 2074..2255, 2399..2483, 2730..2849, 3636..3737, 3832..3999		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37579	Strand	+
Start	43	End	7240
Name	OJ991106_36.0207.C9.o1.gp	Method	AAT/GAP
Start	2556	End	7240
GI	none	Score	1761
Exons	2556..2647, 2730..2849, 3636..3737, 3832..4001, 4114..4212, 6867..7240		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37580	Strand	+
Start	10030	End	10571
Name	OJ991106_36.0207.C9.o2.gp	Method	AAT/GAP
Start	10030	End	10571
GI	2799958	Score	896
Exons	10030..10571		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37581	Strand	+
Start	18775	End	18880
Name	OJ991106_36.0207.C9.o7.gs	Method	GENSCAN
Start	18775	End	18880
GI	none	Score	.94
Exons	18775..18880		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37582	Strand	-
Start	5716	End	6712
Name	OJ991106_36.0207.C9.o2.gs	Method	GENSCAN
Start	5716	End	6712
GI	none	Score	.59
Exons	5716..5921, 6574..6712		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37583	Strand	-
Start	9069	End	11138
Name	OJ991106_36.0207.C9.o3.gs	Method	GENSCAN
Start	9069	End	11138
GI	none	Score	.54
Exons	9069..9307, 9468..9583, 10115..10242, 10857..10935, 11053..11138		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37584	Strand	-
Start	14145	End	14372
Name	OJ991106_36.0207.C9.o5.gs	Method	GENSCAN
Start	14145	End	14372
GI	none	Score	.86
Exons	14145..14372		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37585	Strand	-
Start	14847	End	17552
Name	OJ991106_36.0207.C9.o2.tc	Method	TBLASTX:Cress
Start	10	End	1341
GI	none	Score	106
Exons	10..96, 1120..1173, 1124..1162, 1190..1339, 1192..1341		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37585	Strand	-
Start	14847	End	17552
Name	OJ991106_36.0207.C9.o1.tm	Method	TBLASTX:Maize
Start	1120	End	2180
GI	none	Score	336
Exons	1120..1371, 1124..1339, 1420..1527, 1421..1528, 1424..1534, 1581..1724, 1601..1717, 2097..2180, 2098..2178		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37585	Strand	-
Start	14847	End	17552
Name	OJ991106_36.0207.C9.o1.tc	Method	TBLASTX:Cress
Start	2175	End	2650
GI	none	Score	113
Exons	2175..2258, 2176..2256, 2399..2461, 2400..2483, 2552..2650, 2560..2625		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37585	Strand	-
Start	14847	End	17552
Name	OJ991106_36.0207.C9.o2.tm	Method	TBLASTX:Maize
Start	2420	End	4002
GI	none	Score	85
Exons	2420..2470, 2424..2483, 2427..2483, 2555..2650, 2558..2647, 2560..2649, 2729..2854, 2730..2855, 2731..2859, 3636..3740, 3636..3737, 3797..4000, 3831..4001, 3831..4001, 3832..4002		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37585	Strand	-
Start	14847	End	17552
Name	OJ991106_36.0207.C9.o1.ts	Method	TBLASTX:Soybean
Start	2775	End	3999
GI	none	Score	93
Exons	2775..2855, 3636..3743, 3831..3998, 3832..3999		

Seq. No.	17946	Seq. ID	OJ991106_36.0207.C9
Gene No.	37585	Strand	-
Start	14847	End	17552
Name	OJ991106_36.0207.C9.o6.gs	Method	GENSCAN
Start	14847	End	17552
GI	none	Score	.57
Exons	14847..15179, 15307..15489, 16611..16804, 17471..17552		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37586	Strand	+
Start	2231	End	24928
Name	OJ991106_36.0207.C10.o2.np	Method	AAT/NAP
Start	2231	End	24928
GI	6063554	Score	190
Exons	2231..2263, 23547..23763, 24407..24438, 24755..24928		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37586	Strand	+
Start	2231	End	24928
Name	OJ991106_36.0207.C10.o2.gs	Method	GENSCAN
Start	8253	End	10135
GI	none	Score	.66
Exons	8253..8303, 8402..8543, 8694..8897, 9649..9749, 9941..10135		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37587	Strand	+
Start	25612	End	29823

Name	OJ991106_36.0207.C10.o5.gs	Method	GENSCAN
Start	25612	End	27741
GI	none	Score	.46
Exons	25612..25737, 27250..27741		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37587	Strand	+
Start	25612	End	29823
Name	OJ991106_36.0207.C10.o3.np	Method	AAT/NAP
Start	26568	End	29823
GI	3746069	Score	454
Exons	26568..26607, 28726..29823		
GI Descrip.	(AC005311) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37588	Strand	-
Start	1	End	11021
Name	OJ991106_36.0207.C10.o1.np	Method	AAT/NAP
Start	1	End	11021
GI	5042463	Score	156
Exons	1..27, 4016..4060, 6495..6576, 6626..6763, 7436..7648, 10956..11021		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37588	Strand	-
Start	1	End	11021
Name	OJ991106_36.0207.C10.o1.gs	Method	GENSCAN
Start	150	End	6703
GI	none	Score	.45
Exons	150..197, 521..682, 1176..1285, 3175..3451, 4678..4847, 4909..5089, 6647..6703		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37588	Strand	-
Start	1	End	11021
Name	OJ991106_36.0207.C10.o1.gp	Method	AAT/GAP
Start	1448	End	1513
GI	LIB3477-003-P1-K1-E9	Score	82
Exons	1448..1513		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37588	Strand	-
Start	1	End	11021
Name	OJ991106_36.0207.C10.o2.gp	Method	AAT/GAP
Start	7544	End	7907
GI	5816475	Score	602
Exons	7544..7907		
GI Descrip.	5042437/gb\|AC007789.1\|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37588	Strand	-

Start	1	End	11021
Name	OJ991106_36.0207.C10.o3.gp	Method	AAT/GAP
Start	8613	End	8923
GI	2309703	Score	622
Exons	8613..8923		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37589	Strand	-
Start	20434	End	24680
Name	OJ991106_36.0207.C10.o4.gs	Method	GENSCAN
Start	20434	End	24680
GI	none	Score	.81
Exons	20434..20634, 21348..21782, 21877..22323, 23478..23670, 23699..23907, 24660..24680		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37590	Strand	
Start	28727	End	29815
Name	OJ991106_36.0207.C10.o1.tm	Method	TBLASTX:Maize
Start	28727	End	29653
GI	none	Score	666
Exons	28727..29653, 28774..28908, 29044..29151, 29174..29533		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37590	Strand	
Start	28727	End	29815
Name	OJ991106_36.0207.C10.o1.tw	Method	TBLASTX:Wheat
Start	28739	End	28993
GI	none	Score	294
Exons	28739..28993, 28742..28948, 28765..28959		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37590	Strand	
Start	28727	End	29815
Name	OJ991106_36.0207.C10.o3.tw	Method	TBLASTX:Wheat
Start	29032	End	29401
GI	none	Score	126
Exons	29032..29172, 29033..29167, 29177..29329, 29321..29401		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37590	Strand	
Start	28727	End	29815
Name	OJ991106_36.0207.C10.o1.ts	Method	TBLASTX:Soybean
Start	29258	End	29785
GI	none	Score	57
Exons	29258..29317, 29384..29611, 29440..29604, 29600..29785		

Seq. No.	17947	Seq. ID	OJ991106_36.0207.C10
Gene No.	37590	Strand	
Start	28727	End	29815
Name	OJ991106_36.0207.C10.o2.tw	Method	TBLASTX:Wheat
Start	29407	End	29815
GI	none	Score	240
Exons	29407..29781, 29408..29782, 29540..29785, 29783..29815		

Seq. No.	17948	Seq. ID	OJ991106_36.0207.C11
Gene No.	37591	Strand	+

Start	99	End	666
Name	OJ991106_36.0207.C11.o1.tm	Method	TBLASTX:Maize
Start	11	End	368
GI	none	Score	227
Exons	11..274, 15..281, 312..368, 317..355		

Seq. No.	17948	Seq. ID	OJ991106_36.0207.C11
Gene No.	37591	Strand	+
Start	99	End	666
Name	OJ991106_36.0207.C11.o1.gs	Method	GENSCAN
Start	99	End	320
GI	none	Score	.7
Exons	99..320		

Seq. No.	17948	Seq. ID	OJ991106_36.0207.C11
Gene No.	37591	Strand	+
Start	99	End	666
Name	OJ991106_36.0207.C11.o1.tw	Method	TBLASTX:Wheat
Start	111	End	479
GI	none	Score	230
Exons	111..371, 224..358, 339..374, 370..477, 375..479		

Seq. No.	17948	Seq. ID	OJ991106_36.0207.C11
Gene No.	37591	Strand	+
Start	99	End	666
Name	OJ991106_36.0207.C11.o2.tm	Method	TBLASTX:Maize
Start	378	End	666
GI	none	Score	60
Exons	378..488, 378..500, 379..528, 388..534, 535..594, 592..666		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37592	Strand	+
Start	5828	End	9164
Name	OJ991106_36.0207.C12.o3.np	Method	AAT/NAP
Start	5828	End	9164
GI	4678214	Score	354
Exons	5828..5870, 8647..9164		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37593	Strand	-
Start	1	End	1709
Name	OJ991106_36.0207.C12.o1.np	Method	AAT/NAP
Start	1	End	888
GI	6912248	Score	290
Exons	1..172, 272..350, 552..690, 785..888		
GI Descrip.	aspartyl aminopeptidase gi\|5902181\|gb\|AAD01211.2\| (AF005050) aspartyl aminopeptidase [Homo sapiens]		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37593	Strand	-
Start	1	End	1709
Name	OJ991106_36.0207.C12.o1.gs	Method	GENSCAN
Start	71	End	1709
GI	none	Score	.4
Exons	71..172, 272..350, 552..946, 1701..1709		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37593	Strand	-
Start	1	End	1709
Name	OJ991106_36.0207.C12.o1.gp	Method	AAT/GAP
Start	89	End	912
GI	60790_1.R1084	Score	708
Exons	89..172, 272..350, 552..690, 785..912		
GI Descrip.	'5902181/gb\|AAD01211.2\| 1.0e-12 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37593	Strand	-
Start	1	End	1709
Name	OJ991106_36.0207.C12.o2.np	Method	AAT/NAP
Start	1284	End	1435
GI	5042462	Score	104
Exons	1284..1355, 1384..1435		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37594	Strand	-
Start	3481	End	5338
Name	OJ991106_36.0207.C12.o2.gs	Method	GENSCAN
Start	3481	End	5338
GI	none	Score	.79
Exons	3481..3609, 5333..5338		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37595	Strand	-
Start	12600	End	13088
Name	OJ991106_36.0207.C12.o2.gp	Method	AAT/GAP
Start	12600	End	13088
GI	none	Score	962
Exons	12600..13088		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37596	Strand	-
Start	16945	End	18753
Name	OJ991106_36.0207.C12.o4.np	Method	AAT/NAP
Start	16945	End	18753
GI	1345502	Score	1062
Exons	16945..17049, 17237..18452, 18489..18753		
GI Descrip.	(X57297) TNP2 [Antirrhinum majus]		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o1.ts	Method	TBLASTX:Soybean
Start	26	End	822
GI	none	Score	122
Exons	26..166, 26..178, 33..179, 269..349, 270..350, 270..344, 305..352, 509..622, 549..623, 627..692, 629..691, 786..821, 787..822		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-

Start	26668	End	28944
Name	OJ991106_36.0207.C12.o2.tm	Method	TBLASTX:Maize
Start	26	End	614
GI	none	Score	203
Exons	26..178, 27..173, 94..174, 94..192, 270..350, 270..344, 305..352, 509..613, 537..614		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o2.tc	Method	TBLASTX:Cress
Start	77	End	821
GI	none	Score	101
Exons	77..178, 84..170, 89..175, 273..353, 273..314, 305..352, 509..622, 629..691, 786..821		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o3.ts	Method	TBLASTX:Soybean
Start	17303	End	17540
GI	none	Score	106
Exons	17303..17536, 17358..17540		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o1.tm	Method	TBLASTX:Maize
Start	17372	End	17770
GI	none	Score	98
Exons	17372..17539, 17373..17543, 17373..17549, 17545..17718, 17552..17770, 17553..17765, 17642..17767		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o1.tw	Method	TBLASTX:Wheat
Start	17550	End	17821
GI	none	Score	148
Exons	17550..17819, 17552..17821		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o1.tc	Method	TBLASTX:Cress
Start	17612	End	17929
GI	none	Score	76
Exons	17612..17929, 17619..17768, 17805..17924		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o2.ts	Method	TBLASTX:Soybean
Start	17693	End	28290
GI	none	Score	103
Exons	17693..17923, 17996..18106, 28120..28215, 28216..28290		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o2.tw	Method	TBLASTX:Wheat
Start	18038	End	28593
GI	none	Score	60
Exons	18038..18196, 18057..18131, 28207..28296, 28222..28305, 28223..28306, 28306..28401, 28318..28356, 28420..28503, 28421..28495, 28486..28593		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o5.np	Method	AAT/NAP
Start	26365	End	28415
GI	99922	Score	205
Exons	26365..26388, 28097..28415		
GI Descrip.	hypothetical protein - soybean gi\|930025\|emb\|CAA31883\| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o5.gs	Method	GENSCAN
Start	26668	End	28929
GI	none	Score	.67
Exons	26668..26757, 28102..28274, 28485..28929		

Seq. No.	17949	Seq. ID	OJ991106_36.0207.C12
Gene No.	37597	Strand	-
Start	26668	End	28944
Name	OJ991106_36.0207.C12.o6.np	Method	AAT/NAP
Start	28615	End	28944
GI	5852182	Score	374
Exons	28615..28944		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37598	Strand	+
Start	7538	End	7686
Name	OJ991226_38.0229.C1.o1.gp	Method	AAT/GAP
Start	7538	End	7686
GI	uC-osflcyp001c04b2	Score	194
Exons	7538..7686		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37599	Strand	+
Start	8695	End	13625
Name	OJ991226_38.0229.C1.o3.np	Method	AAT/NAP
Start	8695	End	13625
GI	4557068	Score	178
Exons	8695..8716, 11751..12019, 13541..13625		
GI Descrip.	(AC007045) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37600	Strand	-
Start	6881	End	15130
Name	OJ991226_38.0229.C1.o2.np	Method	AAT/NAP
Start	6881	End	13644
GI	6705984	Score	433
Exons	6881..7017, 10626..11252, 13600..13644		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37600	Strand	-
Start	6881	End	15130
Name	OJ991226_38.0229.C1.o1.np	Method	AAT/NAP
Start	7378	End	9726
GI	6498436	Score	324
Exons	7378..7508, 7711..7962, 8206..8330, 8430..8894, 9187..9309, 9648..9726		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37600	Strand	-
Start	6881	End	15130
Name	OJ991226_38.0229.C1.o2.gs	Method	GENSCAN
Start	7754	End	9367
GI	none	Score	.84
Exons	7754..7933, 8206..8394, 8764..8963, 9187..9367		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37600	Strand	-
Start	6881	End	15130
Name	OJ991226_38.0229.C1.o3.gs	Method	GENSCAN
Start	10473	End	15130
GI	none	Score	.69
Exons	10473..11254, 13031..13117, 13262..13476, 14940..15130		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37601	Strand	-
Start	16560	End	18798
Name	OJ991226_38.0229.C1.o1.tm	Method	TBLASTX:Maize
Start	10746	End	11006
GI	none	Score	84
Exons	10746..10979, 10773..11006, 10873..10992		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37601	Strand	-
Start	16560	End	18798
Name	OJ991226_38.0229.C1.o2.ts	Method	TBLASTX:Soybean
Start	10776	End	11195
GI	none	Score	157
Exons	10776..10934, 10926..11195		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37601	Strand	-
Start	16560	End	18798
Name	OJ991226_38.0229.C1.o1.tw	Method	TBLASTX:Wheat
Start	10788	End	11246

GI	none	Score	102
Exons	10788..10958, 10792..10947, 10971..11243, 10972..11064, 10977..11246		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37601	Strand	-
Start	16560	End	18798
Name	OJ991226_38.0229.C1.o1.ts	Method	TBLASTX:Soybean
Start	11734	End	12148
GI	none	Score	297
Exons	11734..11916, 11738..12049, 12059..12148		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37601	Strand	-
Start	16560	End	18798
Name	OJ991226_38.0229.C1.o2.tw	Method	TBLASTX:Wheat
Start	11738	End	12052
GI	none	Score	325
Exons	11738..12052, 11746..11919, 11765..12052		

Seq. No.	17950	Seq. ID	OJ991226_38.0229.C1
Gene No.	37601	Strand	-
Start	16560	End	18798
Name	OJ991226_38.0229.C1.o4.gs	Method	GENSCAN
Start	16560	End	18798
GI	none	Score	.65
Exons	16560..16625, 16852..16921, 17049..17576, 17687..18357, 18661..18798		

Seq. No.	17951	Seq. ID	OJ991226_38.0229.C2
Gene No.	37602	Strand	-
Start	65	End	307
Name	OJ991226_38.0229.C2.o1.gs	Method	GENSCAN
Start	65	End	307
GI	none	Score	.64
Exons	65..239, 283..307		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37603	Strand	+
Start	15900	End	17742
Name	OJ991226_38.0229.C3.o3.gs	Method	GENSCAN
Start	15900	End	17742
GI	none	Score	.61
Exons	15900..15970, 17103..17159, 17566..17679, 17730..17742		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37604	Strand	+
Start	20965	End	21295
Name	OJ991226_38.0229.C3.o1.gp	Method	AAT/GAP
Start	20965	End	21295
GI	69014_1.R1084	Score	529
Exons	20965..21295		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3

Gene No.	37605	Strand	+
Start	21303	End	21601
Name	OJ991226_38.0229.C3.o2.gp	Method	AAT/GAP
Start	21303	End	21601
GI	2315_5.R1084	Score	357
Exons	21303..21408, 21486..21601		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37605	Strand	+
Start	21303	End	21601
Name	OJ991226_38.0229.C3.o3.gp	Method	AAT/GAP
Start	21330	End	21597
GI	2315_5.R1084	Score	329
Exons	21330..21408, 21486..21597		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37606	Strand	+
Start	25302	End	28215
Name	OJ991226_38.0229.C3.o2.np	Method	AAT/NAP
Start	25302	End	28215
GI	5922620	Score	80
Exons	25302..25336, 26626..26831, 28184..28215		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37607	Strand	+
Start	30116	End	31315
Name	OJ991226_38.0229.C3.o6.gs	Method	GENSCAN
Start	30116	End	31315
GI	none	Score	.66
Exons	30116..30149, 30788..31003, 31296..31315		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37608	Strand	+
Start	37239	End	37938
Name	OJ991226_38.0229.C3.o7.gs	Method	GENSCAN
Start	37239	End	37938
GI	none	Score	.6
Exons	37239..37719, 37802..37938		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37609	Strand	-
Start	1440	End	5392
Name	OJ991226_38.0229.C3.o1.gs	Method	GENSCAN
Start	1440	End	5293
GI	none	Score	.79
Exons	1440..1457, 2615..2827, 3199..3302, 3380..3494, 4050..4177, 4266..4410, 5213..5293		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37609	Strand	-
Start	1440	End	5392
Name	OJ991226_38.0229.C3.o1.np	Method	AAT/NAP
Start	2648	End	5392
GI	3256925	Score	82
Exons	2648..2869, 3199..3263, 3362..3494, 5369..5392		
GI Descrip.	(AP000002) 333aa long hypothetical dehydrogenase [Pyrococcus horikoshii]		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37610	Strand	-
Start	11890	End	13137
Name	OJ991226_38.0229.C3.o2.gs	Method	GENSCAN
Start	11890	End	13137
GI	none	Score	.74
Exons	11890..12053, 13083..13137		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37611	Strand	-
Start	18218	End	21593
Name	OJ991226_38.0229.C3.o4.gs	Method	GENSCAN
Start	18218	End	21593
GI	none	Score	.63
Exons	18218..18639, 18673..18728, 18757..19222, 20969..21593		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37612	Strand	-
Start	23174	End	23498
Name	OJ991226_38.0229.C3.o4.gp	Method	AAT/GAP
Start	23174	End	23498
GI	2315_5.R1084	Score	78
Exons	23174..23196, 23433..23498		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37613	Strand	-
Start	24209	End	28256
Name	OJ991226_38.0229.C3.o5.gs	Method	GENSCAN
Start	24209	End	28256
GI	none	Score	.76
Exons	24209..24259, 25588..25726, 26158..26262, 26392..26681, 26977..27065, 27636..27678, 28143..28256		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37613	Strand	-
Start	24209	End	28256
Name	OJ991226_38.0229.C3.o5.gp	Method	AAT/GAP
Start	24517	End	25090
GI	2315_5.R1084	Score	342
Exons	24517..24539, 24823..25090		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37614	Strand	-

Start	28421	End	34838
Name	OJ991226_38.0229.C3.o2.ts	Method	TBLASTX:Soybean
Start	2602	End	2759
GI	none	Score	81
Exons	2602..2757, 2603..2752, 2615..2758, 2616..2759		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37614	Strand	-
Start	28421	End	34838
Name	OJ991226_38.0229.C3.o1.tc	Method	TBLASTX:Cress
Start	2612	End	2827
GI	none	Score	153
Exons	2612..2827, 2616..2765		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37614	Strand	-
Start	28421	End	34838
Name	OJ991226_38.0229.C3.o1.tm	Method	TBLASTX:Maize
Start	2615	End	12033
GI	none	Score	236
Exons	2615..2827, 2619..2831, 2634..2828, 3070..3114, 3074..3115, 3171..3281, 3196..3300, 3198..3296, 3200..3298, 3377..3454, 3382..3480, 3384..3494, 3385..3492, 3575..3664, 3588..3662, 3590..3664, 4050..4178, 4051..4185, 4069..4185, 4070..4186, 4070..4186, 4258..4413, 4264..4413, 11916..12023, 11918..12025, 11920..12003, 11922..12026, 11923..12033		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37614	Strand	-
Start	28421	End	34838
Name	OJ991226_38.0229.C3.o2.tc	Method	TBLASTX:Cress
Start	3199	End	4182
GI	none	Score	70
Exons	3199..3291, 3391..3495, 3396..3494, 3575..3664, 3576..3668, 4050..4178, 4051..4182		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37614	Strand	-
Start	28421	End	34838
Name	OJ991226_38.0229.C3.o1.ts	Method	TBLASTX:Soybean
Start	4050	End	12036
GI	none	Score	107
Exons	4050..4178, 4051..4185, 4258..4413, 4264..4413, 11923..12036		

Seq. No.	17952	Seq. ID	OJ991226_38.0229.C3
Gene No.	37614	Strand	-
Start	28421	End	34838
Name	OJ991226_38.0229.C3.o3.np	Method	AAT/NAP
Start	28421	End	34838
GI	6630699	Score	82
Exons	28421..28499, 34785..34838		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37615	Strand	+

Start	1338	End	3383
Name	OJ991226_38.0229.C4.o1.gs	Method	GENSCAN
Start	1338	End	3383
GI	none	Score	.53
Exons	1338..1405, 1477..2452, 2586..3383		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37615	Strand	+
Start	1338	End	3383
Name	OJ991226_38.0229.C4.o1.np	Method	AAT/NAP
Start	1341	End	3284
GI	1418331	Score	1620
Exons	1341..3284		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37616	Strand	+
Start	13261	End	15027
Name	OJ991226_38.0229.C4.o3.gs	Method	GENSCAN
Start	13261	End	15027
GI	none	Score	.43
Exons	13261..13265, 13798..14323, 14788..15027		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37617	Strand	+
Start	16938	End	20051
Name	OJ991226_38.0229.C4.o4.gs	Method	GENSCAN
Start	16938	End	20051
GI	none	Score	.41
Exons	16938..17505, 18243..18402, 19835..20051		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37618	Strand	+
Start	21294	End	24051
Name	OJ991226_38.0229.C4.o5.gs	Method	GENSCAN
Start	21294	End	24051
GI	none	Score	.75
Exons	21294..21350, 21789..22224, 22750..22812, 23978..24051		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37619	Strand	+
Start	30130	End	34143
Name	OJ991226_38.0229.C4.o3.np	Method	AAT/NAP
Start	30130	End	34143
GI	2443320	Score	5590
Exons	30130..32755, 32789..34143		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37620	Strand	+
Start	37007	End	42339
Name	OJ991226_38.0229.C4.o2.gp	Method	AAT/GAP
Start	36914	End	41688
GI	52913_1.R1084	Score	1055
Exons	36914..37180, 40416..40532, 41517..41688		
GI Descrip.	'4097690 1.0e-61 (U66592) prohibitin 2 [Arabidopsis thaliana] >gi_4099801 (U89791) prohibitin-like protein [Arabidopsis		

thaliana] >gi_4204301 (AC003027) prohibitin 2 [Arabidopsis thaliana]'

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37620	Strand	+
Start	37007	End	42339
Name	OJ991226_38.0229.C4.o4.np	Method	AAT/NAP
Start	37007	End	42330
GI	4097690	Score	988
Exons	37007..37180, 40416..40532, 41517..41687, 41792..42004, 42145..42330		
GI Descrip.	(U66592) prohibitin 2 [Arabidopsis thaliana] gi\|4099801 (U89791) prohibitin-like protein [Arabidopsis thaliana] gi\|4204301 (AC003027) prohibitin 2 [Arabidopsis thaliana]		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37620	Strand	+
Start	37007	End	42339
Name	OJ991226_38.0229.C4.o7.gs	Method	GENSCAN
Start	37007	End	42339
GI	none	Score	.93
Exons	37007..37180, 37381..37409, 39089..39254, 40416..40532, 41517..41687, 41792..42004, 42145..42339		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37621	Strand	+
Start	43779	End	48192
Name	OJ991226_38.0229.C4.o5.np	Method	AAT/NAP
Start	43779	End	48192
GI	6815052	Score	191
Exons	43779..43819, 47319..47677, 47716..47787, 48070..48192		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37622	Strand	-
Start	5589	End	11725
Name	OJ991226_38.0229.C4.o2.gs	Method	GENSCAN
Start	5589	End	11725
GI	none	Score	.43
Exons	5589..5599, 7332..7558, 9711..9840, 9970..10128, 10150..10251, 10477..10942, 11132..11725		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37622	Strand	-
Start	5589	End	11725
Name	OJ991226_38.0229.C4.o2.np	Method	AAT/NAP
Start	8742	End	11719
GI	3236253	Score	1717
Exons	8742..8797, 9750..11719		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37623	Strand	-
Start	42294	End	42753
Name	OJ991226_38.0229.C4.o3.gp	Method	AAT/GAP
Start	42294	End	42753

GI	none	Score	920
Exons	42294..42753		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37624	Strand	-
Start	44487	End	46005
Name	OJ991226_38.0229.C4.o8.gs	Method	GENSCAN
Start	44487	End	46005
GI	none	Score	.46
Exons	44487..44632, 44836..44943, 45055..45312, 45858..46005		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o3.tm	Method	TBLASTX:Maize
Start	1422	End	11728
GI	none	Score	87
Exons	1422..1511, 1424..1510, 1516..1575, 1608..1718, 1610..1876, 1615..1719, 1618..1887, 1619..1894, 1919..1972, 1919..1975, 11096..11188, 11114..11203, 11180..11533, 11211..11534, 11555..11662, 11556..11642, 11693..11728		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o4.ts	Method	TBLASTX:Soybean
Start	1431	End	11647
GI	none	Score	109
Exons	1431..1553, 1712..1894, 1717..1887, 1922..2008, 11018..11065, 11081..11374, 11220..11369, 11384..11647		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o1.tc	Method	TBLASTX:Cress
Start	1452	End	11617
GI	none	Score	102
Exons	1452..1556, 1612..1890, 1616..1894, 1859..2134, 1919..1999, 1927..2112, 2113..2211, 2114..2584, 2195..2407, 2383..2565, 2586..2681, 2598..2681, 2605..2688, 2691..3059, 2705..3022, 3027..3269, 3152..3268, 9752..9838, 9818..10393, 9840..10040, 10077..10364, 10175..10375, 10418..11176, 10419..10784, 10869..11168, 10976..11170, 11186..11617, 11205..11600		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o9.tw	Method	TBLASTX:Wheat
Start	1814	End	11272
GI	none	Score	80
Exons	1814..1894, 1814..1888, 1919..2065, 1919..2044, 1951..2064, 11027..11194, 11028..11171, 11069..11209, 11183..11272		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o8.tm	Method	TBLASTX:Maize

Start	1976	End	11096
GI	none	Score	164
Exons	1976..2113, 1978..2112, 2102..2230, 2131..2211, 10863..11030, 10883..11095, 10884..11096		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o6.tw	Method	TBLASTX:Wheat
Start	2068	End	11027
GI	none	Score	56
Exons	2068..2124, 2069..2113, 2102..2350, 2104..2328, 2132..2350, 2354..2395, 10697..10738, 10740..11015, 10742..11020, 10761..11027		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o1.ts	Method	TBLASTX:Soybean
Start	2398	End	10694
GI	none	Score	206
Exons	2398..2583, 2399..2584, 2586..2681, 2607..2681, 2696..2911, 2700..2912, 10184..10405, 10185..10391, 10418..10693, 10422..10694		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o12.tw	Method	TBLASTX:Wheat
Start	2426	End	10672
GI	none	Score	125
Exons	2426..2584, 2431..2466, 2515..2595, 2586..2675, 2587..2658, 10400..10672, 10419..10577		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o1.tm	Method	TBLASTX:Maize
Start	2449	End	10642
GI	none	Score	170
Exons	2449..2577, 2450..2584, 2586..2699, 2587..2670, 2598..2693, 2664..3029, 2670..3029, 2678..3031, 2702..3031, 10073..10393, 10074..10394, 10403..10642, 10404..10640		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o7.tw	Method	TBLASTX:Wheat
Start	2678	End	10399
GI	none	Score	264
Exons	2678..2866, 2700..3023, 2891..3019, 10070..10399, 10164..10250, 10299..10373		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o7.ts	Method	TBLASTX:Soybean

Start	2928	End	10168
GI	none	Score	233
Exons	2928..3239, 9840..10034, 9848..10042, 10073..10168		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o5.tm	Method	TBLASTX:Maize
Start	3045	End	10052
GI	none	Score	261
Exons	3045..3266, 3053..3262, 3062..3277, 3345..3383, 9754..9936, 9764..10042, 9777..10052		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o10.tw	Method	TBLASTX:Wheat
Start	30391	End	30675
GI	none	Score	210
Exons	30391..30672, 30538..30675		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o5.tw	Method	TBLASTX:Wheat
Start	31134	End	31602
GI	none	Score	72
Exons	31134..31379, 31170..31382, 31171..31383, 31186..31389, 31393..31602, 31427..31573, 31437..31583		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o8.ts	Method	TBLASTX:Soybean
Start	31444	End	31827
GI	none	Score	102
Exons	31444..31578, 31603..31827		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o2.tw	Method	TBLASTX:Wheat
Start	31603	End	32268
GI	none	Score	815
Exons	31603..32268, 31606..31734, 31619..32218, 31626..32222		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o6.tm	Method	TBLASTX:Maize
Start	31741	End	32286
GI	none	Score	215
Exons	31741..32049, 32068..32145, 32131..32286		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874

Name	OJ991226_38.0229.C4.o6.ts	Method	TBLASTX:Soybean
Start	31837	End	32268
GI	none	Score	185
Exons	31837..32064, 31839..32063, 32065..32145, 32131..32268		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o3.tc	Method	TBLASTX:Cress
Start	31849	End	32373
GI	none	Score	123
Exons	31849..32055, 32065..32142, 32161..32373		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o8.tw	Method	TBLASTX:Wheat
Start	32511	End	32709
GI	none	Score	233
Exons	32511..32708, 32515..32709, 32524..32709		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o3.ts	Method	TBLASTX:Soybean
Start	32581	End	33078
GI	5509260	Score	134
Exons	32581..32760, 32581..32736, 32634..32765, 32766..32870, 32767..33078, 32904..33062		
GI Descrip.	-		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o1.tw	Method	TBLASTX:Wheat
Start	32710	End	33543
GI	none	Score	71
Exons	32710..32760, 32751..33086, 32751..33089, 32761..33093, 32761..33093, 33063..33542, 33079..33543		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o4.tm	Method	TBLASTX:Maize
Start	32766	End	33180
GI	none	Score	337
Exons	32766..33113, 32767..33180		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o7.tm	Method	TBLASTX:Maize
Start	33505	End	52708
GI	none	Score	190
Exons	33505..33879, 33898..34092, 34200..34268, 52241..52402, 52460..52708		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o5.ts	Method	TBLASTX:Soybean
Start	33514	End	52859
GI	none	Score	225
Exons	33514..33876, 33904..34008, 52484..52708, 52727..52795, 52812..52859		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o3.tw	Method	TBLASTX:Wheat
Start	33664	End	52847
GI	none	Score	185
Exons	33664..33987, 33699..33809, 52371..52757, 52373..52756, 52800..52847, 52801..52842		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o11.tw	Method	TBLASTX:Wheat
Start	33988	End	34198
GI	none	Score	166
Exons	33988..34137, 33999..34124, 34021..34131, 34138..34191, 34145..34198		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o2.tm	Method	TBLASTX:Maize
Start	37007	End	42422
GI	none	Score	188
Exons	37007..37183, 37007..37183, 40413..40547, 40413..40535, 41505..41690, 41517..41687, 41518..41691, 41765..42004, 41783..42004, 41790..42008, 41791..42009, 42142..42348, 42142..42270, 42144..42338, 42158..42343, 42357..42422		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o4.tw	Method	TBLASTX:Wheat
Start	37022	End	41919
GI	none	Score	154
Exons	37022..37180, 37061..37183, 37126..37182, 40413..40547, 40413..40547, 40415..40558, 41516..41686, 41517..41687, 41517..41690, 41518..41691, 41783..41917, 41783..41917, 41794..41919, 41797..41919		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o9.ts	Method	TBLASTX:Soybean
Start	37060	End	40547
GI	none	Score	158
Exons	37060..37182, 37061..37183, 40413..40547, 40415..40534		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o2.tc	Method	TBLASTX:Cress
Start	37061	End	42302
GI	none	Score	150
Exons	37061..37183, 40413..40547, 40415..40534, 41516..41686, 41517..41687, 41774..41995, 41783..42004, 41946..42008, 42127..42270, 42141..42302, 42142..42273		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o2.ts	Method	TBLASTX:Soybean
Start	41516	End	42302
GI	none	Score	256
Exons	41516..41677, 41517..41687, 41783..42004, 41794..41964, 41803..42009, 41955..42008, 42141..42302, 42142..42273, 42159..42302		

Seq. No.	17953	Seq. ID	OJ991226_38.0229.C4
Gene No.	37625	Strand	-
Start	52235	End	52874
Name	OJ991226_38.0229.C4.o6.np	Method	AAT/NAP
Start	52235	End	52874
GI	6630696	Score	1027
Exons	52235..52874		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17954	Seq. ID	OJ991226_38.0229.C5
Gene No.	37626	Strand	-
Start	1	End	2052
Name	OJ991226_38.0229.C5.o1.np	Method	AAT/NAP
Start	1	End	2052
GI	6630696	Score	3002
Exons	1..2052		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17954	Seq. ID	OJ991226_38.0229.C5
Gene No.	37626	Strand	-
Start	1	End	2052
Name	OJ991226_38.0229.C5.o1.tw	Method	TBLASTX:Wheat
Start	88	End	842
GI	none	Score	131
Exons	88..279, 88..741, 92..742, 715..834, 730..834, 741..842		

Seq. No.	17954	Seq. ID	OJ991226_38.0229.C5
Gene No.	37626	Strand	-
Start	1	End	2052
Name	OJ991226_38.0229.C5.o1.gs	Method	GENSCAN
Start	144	End	1986
GI	none	Score	.42
Exons	144..505, 1233..1293, 1404..1705, 1847..1986		

Seq. No.	17954	Seq. ID	OJ991226_38.0229.C5
Gene No.	37626	Strand	-
Start	1	End	2052
Name	OJ991226_38.0229.C5.o1.ts	Method	TBLASTX:Soybean
Start	493	End	890
GI	none	Score	83
Exons	493..666, 670..753, 730..888, 732..890		

Seq. No.	17954	Seq. ID	OJ991226_38.0229.C5
Gene No.	37626	Strand	-
Start	1	End	2052
Name	OJ991226_38.0229.C5.o1.tm	Method	TBLASTX:Maize
Start	682	End	1112
GI	none	Score	74
Exons	682..732, 750..1112, 751..861		

Seq. No.	17954	Seq. ID	OJ991226_38.0229.C5
Gene No.	37626	Strand	-
Start	1	End	2052
Name	OJ991226_38.0229.C5.o2.tw	Method	TBLASTX:Wheat
Start	843	End	1184
GI	none	Score	85
Exons	843..1184, 844..1071, 870..1106		

Seq. No.	17954	Seq. ID	OJ991226_38.0229.C5
Gene No.	37626	Strand	-
Start	1	End	2052
Name	OJ991226_38.0229.C5.o2.tm	Method	TBLASTX:Maize
Start	1799	End	2049
GI	none	Score	191
Exons	1799..2044, 1804..2049		

Seq. No.	17954	Seq. ID	OJ991226_38.0229.C5
Gene No.	37626	Strand	-
Start	1	End	2052
Name	OJ991226_38.0229.C5.o3.tw	Method	TBLASTX:Wheat
Start	1860	End	2052
GI	none	Score	165
Exons	1860..2042, 1861..2052, 1862..2044		

Seq. No.	17955	Seq. ID	OJ991226_38.0229.C6
Gene No.	37627	Strand	+
Start	580	End	700
Name	OJ991226_38.0229.C6.o1.gs	Method	GENSCAN
Start	580	End	700
GI	none	Score	.55
Exons	580..700		

Seq. No.	17956	Seq. ID	OJ991226_38.0229.C7
Gene No.	37628	Strand	+
Start	164	End	551
Name	OJ991226_38.0229.C7.o1.gs	Method	GENSCAN
Start	164	End	551
GI	none	Score	.7
Exons	164..183, 248..369, 492..551		

Seq. No.	17956	Seq. ID	OJ991226_38.0229.C7
Gene No.	37629	Strand	+
Start	488	End	748
Name	OJ991226_38.0229.C7.o1.np	Method	AAT/NAP
Start	488	End	748
GI	2498930	Score	76
Exons	488..551, 719..748		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	17957	Seq. ID	OJ991206_14.0215.C3
Gene No.	37630	Strand	+
Start	201	End	593
Name	OJ991206_14.0215.C3.o1.gp	Method	AAT/GAP
Start	201	End	593
GI	617_1.R1084	Score	727
Exons	201..593		
GI Descrip.	'543711/sp\|Q06967\|1433_ORYSA 1.0e-143 14-3-3-LIKE PROTEIN S94 >gi_419796_pir__S30927 14-3-3 protein homolog - rice >gi_303859_dbj_BAA03711_ (D16140) brain specific protein [Oryza sativa]'		

Seq. No.	17957	Seq. ID	OJ991206_14.0215.C3
Gene No.	37630	Strand	+
Start	201	End	593
Name	OJ991206_14.0215.C3.o1.tw	Method	TBLASTX:Wheat
Start	234	End	584
GI	none	Score	535
Exons	234..578, 235..579, 409..483, 507..584		

Seq. No.	17957	Seq. ID	OJ991206_14.0215.C3
Gene No.	37630	Strand	+
Start	201	End	593
Name	OJ991206_14.0215.C3.o1.tm	Method	TBLASTX:Maize
Start	248	End	578
GI	none	Score	462
Exons	248..505, 249..578, 274..576		

Seq. No.	17957	Seq. ID	OJ991206_14.0215.C3
Gene No.	37630	Strand	+
Start	201	End	593
Name	OJ991206_14.0215.C3.o1.gs	Method	GENSCAN
Start	252	End	564
GI	none	Score	.71
Exons	252..564		

Seq. No.	17957	Seq. ID	OJ991206_14.0215.C3
Gene No.	37630	Strand	+
Start	201	End	593
Name	OJ991206_14.0215.C3.o1.np	Method	AAT/NAP
Start	252	End	593
GI	543711	Score	530
Exons	252..593		
GI Descrip.	14-3-3-LIKE PROTEIN S94 gi\|419796\|pir\|\|S30927 14-3-3 protein homolog - rice gi\|303859\|dbj\|BAA03711\| (D16140) brain specific protein [Oryza sativa]		

Seq. No.	17957	Seq. ID	OJ991206_14.0215.C3
Gene No.	37630	Strand	+
Start	201	End	593
Name	OJ991206_14.0215.C3.o1.ts	Method	TBLASTX:Soybean
Start	261	End	578
GI	none	Score	461
Exons	261..578, 270..431, 277..564, 516..578		

Seq. No.	17957	Seq. ID	OJ991206_14.0215.C3
Gene No.	37630	Strand	+
Start	201	End	593
Name	OJ991206_14.0215.C3.o1.tc	Method	TBLASTX:Cress
Start	267	End	578
GI	none	Score	449
Exons	267..578, 270..434, 280..477		

Seq. No.	17958	Seq. ID	OJ991206_14.0215.C4
Gene No.	37631	Strand	+
Start	1	End	569
Name	OJ991206_14.0215.C4.o1.np	Method	AAT/NAP
Start	1	End	569
GI	5911745	Score	267
Exons	1..569		
GI Descrip.	(AJ249449) NBS-LRR protein [Solanum tuberosum] gi\|6164969\|gb\|AAF04603.1\|AF195939_1 (AF195939) disease resistance protein Gpa2 [Solanum tuberosum]		

Seq. No.	17959	Seq. ID	OJ991206_14.0215.C5
Gene No.	37632	Strand	+
Start	383	End	659
Name	OJ991206_14.0215.C5.o1.gp	Method	AAT/GAP
Start	383	End	659
GI	none	Score	413
Exons	383..659		

Seq. No.	17959	Seq. ID	OJ991206_14.0215.C5
Gene No.	37633	Strand	-
Start	479	End	625
Name	OJ991206_14.0215.C5.o1.gs	Method	GENSCAN
Start	479	End	625
GI	none	Score	.6
Exons	479..625		

Seq. No.	17959	Seq. ID	OJ991206_14.0215.C5
Gene No.	37633	Strand	-
Start	479	End	625
Name	OJ991206_14.0215.C5.o1.tm	Method	TBLASTX:Maize
Start	486	End	616
GI	none	Score	191
Exons	486..608, 488..610, 489..608, 576..605	492..557, 497..616, 561..602,	

Seq. No.	17960	Seq. ID	OJ991206_14.0215.C6
Gene No.	37634	Strand	+
Start	156	End	534
Name	OJ991206_14.0215.C6.o1.gs	Method	GENSCAN
Start	156	End	534

GI	none	Score	.82
Exons	156..228, 394..534		
Seq. No.	17961	Seq. ID	OJ991206_14.0215.C8
Gene No.	37635	Strand	+
Start	180	End	335
Name	OJ991206_14.0215.C8.o1.gs	Method	GENSCAN
Start	180	End	335
GI	none	Score	.69
Exons	180..335		
Seq. No.	17962	Seq. ID	OJ991206_14.0215.C9
Gene No.	37636	Strand	+
Start	1	End	910
Name	OJ991206_14.0215.C9.o1.np	Method	AAT/NAP
Start	1	End	873
GI	2586082	Score	677
Exons	1..706, 815..873		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	17962	Seq. ID	OJ991206_14.0215.C9
Gene No.	37636	Strand	+
Start	1	End	910
Name	OJ991206_14.0215.C9.o1.tc	Method	TBLASTX:Cress
Start	5	End	454
GI	none	Score	327
Exons	5..454, 16..150		
Seq. No.	17962	Seq. ID	OJ991206_14.0215.C9
Gene No.	37636	Strand	+
Start	1	End	910
Name	OJ991206_14.0215.C9.o1.ts	Method	TBLASTX:Soybean
Start	17	End	436
GI	none	Score	260
Exons	17..436, 304..369		
Seq. No.	17962	Seq. ID	OJ991206_14.0215.C9
Gene No.	37636	Strand	+
Start	1	End	910
Name	OJ991206_14.0215.C9.o1.tm	Method	TBLASTX:Maize
Start	103	End	433
GI	none	Score	269
Exons	103..429, 110..433		
Seq. No.	17962	Seq. ID	OJ991206_14.0215.C9
Gene No.	37636	Strand	+
Start	1	End	910
Name	OJ991206_14.0215.C9.o1.tw	Method	TBLASTX:Wheat
Start	107	End	454
GI	none	Score	274
Exons	107..454, 238..450		
Seq. No.	17962	Seq. ID	OJ991206_14.0215.C9
Gene No.	37636	Strand	+
Start	1	End	910
Name	OJ991206_14.0215.C9.o1.gs	Method	GENSCAN
Start	128	End	910

GI	none	Score	.68
Exons	128..333, 520..910		

Seq. No.	17963	Seq. ID	OJ991206_14.0215.C10
Gene No.	37637	Strand	+
Start	1	End	725
Name	OJ991206_14.0215.C10.o1.np	Method	AAT/NAP
Start	1	End	725
GI	2586082	Score	1038
Exons	1..725		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	17963	Seq. ID	OJ991206_14.0215.C10
Gene No.	37637	Strand	+
Start	1	End	725
Name	OJ991206_14.0215.C10.o1.tw	Method	TBLASTX:Wheat
Start	1	End	430
GI	none	Score	434
Exons	1..429, 3..428, 350..430		

Seq. No.	17963	Seq. ID	OJ991206_14.0215.C10
Gene No.	37637	Strand	+
Start	1	End	725
Name	OJ991206_14.0215.C10.o2.tm	Method	TBLASTX:Maize
Start	111	End	348
GI	none	Score	280
Exons	111..320, 112..348, 121..348		

Seq. No.	17963	Seq. ID	OJ991206_14.0215.C10
Gene No.	37637	Strand	+
Start	1	End	725
Name	OJ991206_14.0215.C10.o1.ts	Method	TBLASTX:Soybean
Start	193	End	717
GI	none	Score	479
Exons	193..717, 195..683, 472..708		

Seq. No.	17963	Seq. ID	OJ991206_14.0215.C10
Gene No.	37637	Strand	+
Start	1	End	725
Name	OJ991206_14.0215.C10.o1.gs	Method	GENSCAN
Start	340	End	618
GI	none	Score	.45
Exons	340..618		

Seq. No.	17963	Seq. ID	OJ991206_14.0215.C10
Gene No.	37637	Strand	+
Start	1	End	725
Name	OJ991206_14.0215.C10.o1.tm	Method	TBLASTX:Maize
Start	360	End	720
GI	none	Score	136
Exons	360..494, 361..489, 495..680, 496..720, 496..720		

Seq. No.	17964	Seq. ID	OJ991206_14.0215.C11
Gene No.	37638	Strand	+
Start	156	End	708
Name	OJ991206_14.0215.C11.o1.gs	Method	GENSCAN
Start	156	End	708

GI	none	Score	.95
Exons	156..708		

Seq. No.	17965	Seq. ID	OJ991206_14.0215.C13
Gene No.	37639	Strand	-
Start	7	End	1119
Name	OJ991206_14.0215.C13.o1.gs	Method	GENSCAN
Start	7	End	1119
GI	none	Score	.89
Exons	7..112, 1031..1119		

Seq. No.	17966	Seq. ID	OJ991206_14.0215.C14
Gene No.	37640	Strand	-
Start	3	End	273
Name	OJ991206_14.0215.C14.o1.np	Method	AAT/NAP
Start	3	End	244
GI	3080436	Score	136
Exons	3..244		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	17966	Seq. ID	OJ991206_14.0215.C14
Gene No.	37640	Strand	-
Start	3	End	273
Name	OJ991206_14.0215.C14.o1.gp	Method	AAT/GAP
Start	105	End	215
GI	45157_1.R1084	Score	161
Exons	105..215		
GI Descrip.	'3080436/emb\|CAA18753.1\| 5.0e-21 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	17966	Seq. ID	OJ991206_14.0215.C14
Gene No.	37640	Strand	-
Start	3	End	273
Name	OJ991206_14.0215.C14.o1.gs	Method	GENSCAN
Start	105	End	250
GI	none	Score	.98
Exons	105..250		

Seq. No.	17966	Seq. ID	OJ991206_14.0215.C14
Gene No.	37640	Strand	-
Start	3	End	273
Name	OJ991206_14.0215.C14.o1.tc	Method	TBLASTX:Cress
Start	106	End	244
GI	none	Score	116
Exons	106..243, 107..244		

Seq. No.	17966	Seq. ID	OJ991206_14.0215.C14
Gene No.	37640	Strand	-
Start	3	End	273
Name	OJ991206_14.0215.C14.o1.tm	Method	TBLASTX:Maize
Start	106	End	273
GI	none	Score	203
Exons	106..273, 106..249		

Seq. No.	17967	Seq. ID	OJ991206_14.0215.C15
Gene No.	37641	Strand	+
Start	1	End	160

Name	OJ991206_14.0215.C15.o1.gp	Method	AAT/GAP
Start	1	End	160
GI	40534_1.R1084	Score	267
Exons	1..160		
GI Descrip.	'2280517/dbj\|AB005878\|AB005878 3.0e-14 Nicotiana tabacum mRNA for BYJ15, partial cds'		

Seq. No.	17967	Seq. ID	OJ991206_14.0215.C15
Gene No.	37642	Strand	+
Start	118	End	170
Name	OJ991206_14.0215.C15.o1.gs	Method	GENSCAN
Start	118	End	170
GI	none	Score	.98
Exons	118..170		

Seq. No.	17968	Seq. ID	OJ991206_14.0215.C16
Gene No.	37643	Strand	-
Start	155	End	524
Name	OJ991206_14.0215.C16.o1.gs	Method	GENSCAN
Start	155	End	524
GI	none	Score	.96
Exons	155..524		

Seq. No.	17969	Seq. ID	OJ991206_14.0215.C18
Gene No.	37644	Strand	-
Start	38	End	540
Name	OJ991206_14.0215.C18.o1.gs	Method	GENSCAN
Start	38	End	514
GI	none	Score	.95
Exons	38..514		

Seq. No.	17969	Seq. ID	OJ991206_14.0215.C18
Gene No.	37644	Strand	-
Start	38	End	540
Name	OJ991206_14.0215.C18.o1.gp	Method	AAT/GAP
Start	102	End	540
GI	uC-osflcyp058h07b1	Score	830
Exons	102..540		
GI Descrip.	'5441872/dbj\|AP000366.1\|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	17969	Seq. ID	OJ991206_14.0215.C18
Gene No.	37645	Strand	-
Start	1680	End	2378
Name	OJ991206_14.0215.C18.o2.gs	Method	GENSCAN
Start	1680	End	2378
GI	none	Score	.51
Exons	1680..1745, 2208..2378		

Seq. No.	17970	Seq. ID	OJ991206_14.0215.C19
Gene No.	37646	Strand	+
Start	44	End	848
Name	OJ991206_14.0215.C19.o1.tm	Method	TBLASTX:Maize
Start	31	End	333
GI	none	Score	275
Exons	31..117, 32..202, 247..333, 249..332, 253..333		

Seq. No.	17970	Seq. ID	OJ991206_14.0215.C19
Gene No.	37646	Strand	+
Start	44	End	848
Name	OJ991206_14.0215.C19.o1.gs	Method	GENSCAN
Start	44	End	786
GI	none	Score	.92
Exons	44..355, 415..786		

Seq. No.	17970	Seq. ID	OJ991206_14.0215.C19
Gene No.	37646	Strand	+
Start	44	End	848
Name	OJ991206_14.0215.C19.o2.tm	Method	TBLASTX:Maize
Start	394	End	848
GI	none	Score	72
Exons	394..492, 397..492, 478..687, 681..827, 744..785, 785..811,	478..684, 546..689, 678..752, 797..832, 816..848	

Seq. No.	17971	Seq. ID	OJ991206_14.0215.C20
Gene No.	37647	Strand	+
Start	828	End	1031
Name	OJ991206_14.0215.C20.o1.gs	Method	GENSCAN
Start	828	End	1031
GI	none	Score	.81
Exons	828..1031		

Seq. No.	17972	Seq. ID	OJ991206_14.0215.C21
Gene No.	37648	Strand	+
Start	866	End	1015
Name	OJ991206_14.0215.C21.o1.gs	Method	GENSCAN
Start	866	End	1015
GI	none	Score	.82
Exons	866..1015		

Seq. No.	17973	Seq. ID	OJ991206_14.0215.C22
Gene No.	37649	Strand	-
Start	100	End	326
Name	OJ991206_14.0215.C22.o1.gs	Method	GENSCAN
Start	100	End	326
GI	none	Score	.94
Exons	100..326		

Seq. No.	17974	Seq. ID	OJ991206_14.0215.C23
Gene No.	37650	Strand	+
Start	1	End	128
Name	OJ991206_14.0215.C23.o1.gp	Method	AAT/GAP
Start	1	End	120
GI	26025_1.R1084	Score	240
Exons	1..120		
GI Descrip.	'3860333/emb\|CAA10134\| 1.0e-36 (AJ012693) basic blue copper protein [Cicer arietinum]'		

Seq. No.	17974	Seq. ID	OJ991206_14.0215.C23
Gene No.	37650	Strand	+
Start	1	End	128
Name	OJ991206_14.0215.C23.o1.np	Method	AAT/NAP
Start	1	End	128
GI	3395754	Score	151

Exons	1..128		
GI Descrip.	(U76296) plantacyanin [Spinacia oleracea]		
Seq. No.	17974	Seq. ID	OJ991206_14.0215.C23
Gene No.	37651	Strand	-
Start	47	End	437
Name	OJ991206_14.0215.C23.o1.tm	Method	TBLASTX:Maize
Start	2	End	131
GI	none	Score	181
Exons	2..127, 3..131		
Seq. No.	17974	Seq. ID	OJ991206_14.0215.C23
Gene No.	37651	Strand	-
Start	47	End	437
Name	OJ991206_14.0215.C23.o1.gs	Method	GENSCAN
Start	47	End	437
GI	none	Score	.44
Exons	47..437		
Seq. No.	17974	Seq. ID	OJ991206_14.0215.C23
Gene No.	37651	Strand	-
Start	47	End	437
Name	OJ991206_14.0215.C23.o2.gp	Method	AAT/GAP
Start	253	End	374
GI	none	Score	177
Exons	253..374		
Seq. No.	17975	Seq. ID	OJ991206_14.0215.C24
Gene No.	37652	Strand	-
Start	1	End	1451
Name	OJ991206_14.0215.C24.o1.np	Method	AAT/NAP
Start	1	End	1451
GI	5059025	Score	39
Exons	1..77, 993..1143, 1390..1451		
GI Descrip.	(AF110382) 3-hydroxy-3-methylglutaryl-coenzyme A reductase [Oryza sativa]		
Seq. No.	17975	Seq. ID	OJ991206_14.0215.C24
Gene No.	37652	Strand	-
Start	1	End	1451
Name	OJ991206_14.0215.C24.o1.gs	Method	GENSCAN
Start	174	End	1371
GI	none	Score	.77
Exons	174..300, 498..579, 915..1087, 1217..1371		
Seq. No.	17976	Seq. ID	OJ991206_14.0215.C25
Gene No.	37653	Strand	+
Start	507	End	894
Name	OJ991206_14.0215.C25.o1.gp	Method	AAT/GAP
Start	507	End	894
GI	617_1.R1084	Score	387
Exons	507..728, 868..894		
GI Descrip.	'543711/sp\|Q06967\|1433_ORYSA 1.0e-143 14-3-3-LIKE PROTEIN S94 >gi_419796_pir__S30927 14-3-3 protein homolog - rice >gi_303859_dbj_BAA03711_ (D16140) brain specific protein [Oryza sativa]'		

Seq. No.	17976	Seq. ID	OJ991206_14.0215.C25
Gene No.	37654	Strand	-
Start	102	End	126
Name	OJ991206_14.0215.C25.o1.gs	Method	GENSCAN
Start	102	End	126
GI	none	Score	.65
Exons	102..126		

Seq. No.	17977	Seq. ID	OJ991206_14.0215.C26
Gene No.	37655	Strand	+
Start	171	End	529
Name	OJ991206_14.0215.C26.o1.gs	Method	GENSCAN
Start	171	End	511
GI	none	Score	.91
Exons	171..511		

Seq. No.	17977	Seq. ID	OJ991206_14.0215.C26
Gene No.	37655	Strand	+
Start	171	End	529
Name	OJ991206_14.0215.C26.o1.np	Method	AAT/NAP
Start	243	End	529
GI	5734781	Score	100
Exons	243..529		
GI Descrip.	(AC007980) 89719 [Arabidopsis thaliana]		

Seq. No.	17978	Seq. ID	OJ991206_14.0215.C27
Gene No.	37656	Strand	+
Start	152	End	487
Name	OJ991206_14.0215.C27.o1.gs	Method	GENSCAN
Start	152	End	487
GI	none	Score	.47
Exons	152..487		

Seq. No.	17979	Seq. ID	OJ991206_14.0215.C28
Gene No.	37657	Strand	-
Start	182	End	616
Name	OJ991206_14.0215.C28.o1.gs	Method	GENSCAN
Start	182	End	616
GI	none	Score	.53
Exons	182..290, 414..453, 592..616		

Seq. No.	17980	Seq. ID	OJ991206_14.0215.C29
Gene No.	37658	Strand	+
Start	583	End	671
Name	OJ991206_14.0215.C29.o1.gp	Method	AAT/GAP
Start	583	End	671
GI	4217_1.R1084	Score	167
Exons	583..671		
GI Descrip.	'4758714/ref\|NP_004519.1\|pMGST3\| 3.0e-25 microsomal glutathione S-transferase 3 >gi_2583081 (AF026977) microsomal glutathione S-transferase 3 [Homo sapiens]'		

Seq. No.	17981	Seq. ID	OJ991206_14.0215.C30
Gene No.	37659	Strand	-
Start	451	End	474
Name	OJ991206_14.0215.C30.o1.gs	Method	GENSCAN
Start	451	End	474

GI	none	Score	.73
Exons	451..474		

Seq. No.	17982	Seq. ID	OJ991206_14.0215.C31
Gene No.	37660	Strand	-
Start	1093	End	1345
Name	OJ991206_14.0215.C31.o1.gs	Method	GENSCAN
Start	1093	End	1345
GI	none	Score	.46
Exons	1093..1345		

Seq. No.	17983	Seq. ID	OJ991206_14.0215.C32
Gene No.	37661	Strand	+
Start	1	End	1046
Name	OJ991206_14.0215.C32.o1.np	Method	AAT/NAP
Start	1	End	1046
GI	476003	Score	946
Exons	1..310, 427..641, 728..1046		
GI Descrip.	(L32165) HSP70 [Hordeum vulgare]		

Seq. No.	17983	Seq. ID	OJ991206_14.0215.C32
Gene No.	37661	Strand	+
Start	1	End	1046
Name	OJ991206_14.0215.C32.o1.gs	Method	GENSCAN
Start	61	End	1018
GI	none	Score	.99
Exons	61..310, 427..641, 728..789, 845..1018		

Seq. No.	17983	Seq. ID	OJ991206_14.0215.C32
Gene No.	37661	Strand	+
Start	1	End	1046
Name	OJ991206_14.0215.C32.o1.tc	Method	TBLASTX:Cress
Start	65	End	1033
GI	none	Score	350
Exons	65..307, 90..311, 410..640, 427..639, 703..786, 727..837, 732..851, 854..1033, 895..1032		

Seq. No.	17983	Seq. ID	OJ991206_14.0215.C32
Gene No.	37661	Strand	+
Start	1	End	1046
Name	OJ991206_14.0215.C32.o1.tm	Method	TBLASTX:Maize
Start	66	End	1039
GI	none	Score	361
Exons	66..311, 89..304, 201..308, 410..640, 427..639, 726..851, 727..837, 854..1039, 895..1023		

Seq. No.	17983	Seq. ID	OJ991206_14.0215.C32
Gene No.	37661	Strand	+
Start	1	End	1046
Name	OJ991206_14.0215.C32.o1.tw	Method	TBLASTX:Wheat
Start	81	End	1033
GI	none	Score	305
Exons	81..311, 89..310, 410..481, 508..639, 524..640, 566..643, 727..837, 730..777, 732..836, 857..1033, 895..1032		

Seq. No.	17983	Seq. ID	OJ991206_14.0215.C32
Gene No.	37661	Strand	+

Start	1	End	1046
Name	OJ991206_14.0215.C32.o1.ts	Method	TBLASTX:Soybean
Start	89	End	1041
GI	none	Score	348
Exons	89..304, 90..311, 189..308, 410..640, 427..639, 727..837, 732..851, 854..1039, 895..1041		

Seq. No.	17984	Seq. ID	OJ991206_14.0215.C33
Gene No.	37662	Strand	-
Start	172	End	394
Name	OJ991206_14.0215.C33.o1.np	Method	AAT/NAP
Start	172	End	394
GI	769712	Score	154
Exons	172..394		
GI Descrip.	(D32052) ORF72 [Oryza sativa]		

Seq. No.	17984	Seq. ID	OJ991206_14.0215.C33
Gene No.	37663	Strand	-
Start	624	End	675
Name	OJ991206_14.0215.C33.o1.gs	Method	GENSCAN
Start	624	End	675
GI	none	Score	.85
Exons	624..675		

Seq. No.	17985	Seq. ID	OJ991206_14.0215.C35
Gene No.	37664	Strand	+
Start	473	End	583
Name	OJ991206_14.0215.C35.o1.gs	Method	GENSCAN
Start	473	End	583
GI	none	Score	.55
Exons	473..583		

Seq. No.	17986	Seq. ID	OJ991206_14.0215.C36
Gene No.	37665	Strand	+
Start	43	End	387
Name	OJ991206_14.0215.C36.o1.gs	Method	GENSCAN
Start	43	End	387
GI	none	Score	.7
Exons	43..110, 183..387		

Seq. No.	17986	Seq. ID	OJ991206_14.0215.C36
Gene No.	37666	Strand	-
Start	1	End	345
Name	OJ991206_14.0215.C36.o1.gp	Method	AAT/GAP
Start	1	End	345
GI	52910_1.R1084	Score	623
Exons	1..345		
GI Descrip.	'5091622/gb\|AAD39610.1\|AC007454_9 3.0e-26 (AC007454) F23M19.10 [Arabidopsis thaliana]'		

Seq. No.	17986	Seq. ID	OJ991206_14.0215.C36
Gene No.	37666	Strand	-
Start	1	End	345
Name	OJ991206_14.0215.C36.o1.np	Method	AAT/NAP
Start	1	End	206
GI	3367591	Score	97
Exons	1..206		

GI Descrip. (AL031135) putative protein [Arabidopsis thaliana]

Seq. No.	17986	Seq. ID	OJ991206_14.0215.C36
Gene No.	37666	Strand	-
Start	1	End	345
Name	OJ991206_14.0215.C36.o1.tm	Method	TBLASTX:Maize
Start	3	End	305
GI	none	Score	337
Exons	3..305, 4..285		

Seq. No.	17986	Seq. ID	OJ991206_14.0215.C36
Gene No.	37666	Strand	-
Start	1	End	345
Name	OJ991206_14.0215.C36.o1.ts	Method	TBLASTX:Soybean
Start	9	End	278
GI	none	Score	86
Exons	9..242, 13..246, 237..278		

Seq. No.	17986	Seq. ID	OJ991206_14.0215.C36
Gene No.	37666	Strand	-
Start	1	End	345
Name	OJ991206_14.0215.C36.o1.tw	Method	TBLASTX:Wheat
Start	57	End	282
GI	none	Score	101
Exons	57..191, 57..281, 58..282		

Seq. No.	17987	Seq. ID	OJ991206_14.0215.C38
Gene No.	37667	Strand	-
Start	36	End	257
Name	OJ991206_14.0215.C38.o1.gs	Method	GENSCAN
Start	36	End	257
GI	none	Score	.9
Exons	36..61, 230..257		

Seq. No.	17988	Seq. ID	OJ991206_14.0215.C40
Gene No.	37668	Strand	+
Start	659	End	730
Name	OJ991206_14.0215.C40.o1.gs	Method	GENSCAN
Start	659	End	730
GI	none	Score	.42
Exons	659..730		

Seq. No.	17989	Seq. ID	OJ991206_14.0215.C41
Gene No.	37669	Strand	+
Start	52	End	384
Name	OJ991206_14.0215.C41.o1.gs	Method	GENSCAN
Start	52	End	384
GI	none	Score	.78
Exons	52..264, 370..384		

Seq. No.	17989	Seq. ID	OJ991206_14.0215.C41
Gene No.	37670	Strand	-
Start	1	End	443
Name	OJ991206_14.0215.C41.o1.gp	Method	AAT/GAP
Start	1	End	443
GI	55273_1.R1084	Score	796
Exons	1..443		

GI Descrip.	'310775/gb\|L08874\|SYNPHSCSKV 1.0e-20 PhageScript SK cloning vector'		
Seq. No.	17989	Seq. ID	OJ991206_14.0215.C41
Gene No.	37671	Strand	-
Start	769	End	1541
Name	OJ991206_14.0215.C41.o2.gs	Method	GENSCAN
Start	769	End	1521
GI	none	Score	.78
Exons	769..870, 1071..1259, 1372..1521		
Seq. No.	17989	Seq. ID	OJ991206_14.0215.C41
Gene No.	37671	Strand	-
Start	769	End	1541
Name	OJ991206_14.0215.C41.o1.np	Method	AAT/NAP
Start	817	End	1541
GI	2578818	Score	106
Exons	817..870, 1071..1259, 1372..1541		
GI Descrip.	(AB000121) TBPIP [Mus musculus]		
Seq. No.	17990	Seq. ID	OJ991206_14.0215.C43
Gene No.	37672	Strand	+
Start	1	End	854
Name	OJ991206_14.0215.C43.o1.np	Method	AAT/NAP
Start	1	End	854
GI	475602	Score	576
Exons	1..154, 241..390, 417..854		
GI Descrip.	(U08384) BiP isoform A [Glycine max]		
Seq. No.	17990	Seq. ID	OJ991206_14.0215.C43
Gene No.	37672	Strand	+
Start	1	End	854
Name	OJ991206_14.0215.C43.o1.tc	Method	TBLASTX:Cress
Start	25	End	794
GI	none	Score	186
Exons	25..156, 26..157, 237..305, 238..309, 410..478, 411..497, 615..737, 708..794		
Seq. No.	17990	Seq. ID	OJ991206_14.0215.C43
Gene No.	37672	Strand	+
Start	1	End	854
Name	OJ991206_14.0215.C43.o1.tm	Method	TBLASTX:Maize
Start	26	End	794
GI	none	Score	186
Exons	26..157, 28..111, 32..154, 238..312, 240..311, 410..478, 411..497, 444..572, 453..527, 615..737, 708..794		
Seq. No.	17990	Seq. ID	OJ991206_14.0215.C43
Gene No.	37672	Strand	+
Start	1	End	854
Name	OJ991206_14.0215.C43.o1.ts	Method	TBLASTX:Soybean
Start	26	End	794
GI	none	Score	182
Exons	26..157, 28..111, 32..154, 237..308, 238..309, 411..497, 615..725, 729..794		
Seq. No.	17990	Seq. ID	OJ991206_14.0215.C43

Gene No.	37672	Strand	+
Start	1	End	854
Name	OJ991206_14.0215.C43.o1.tw	Method	TBLASTX:Wheat
Start	26	End	695
GI	none	Score	143
Exons	26..157, 34..114, 238..309, 408..497, 410..475, 444..572, 561..695		

Seq. No.	17990	Seq. ID	OJ991206_14.0215.C43
Gene No.	37672	Strand	+
Start	1	End	854
Name	OJ991206_14.0215.C43.o1.gs	Method	GENSCAN
Start	59	End	848
GI	none	Score	.94
Exons	59..154, 423..848		

Seq. No.	17991	Seq. ID	OJ991206_14.0215.C44
Gene No.	37673	Strand	+
Start	188	End	287
Name	OJ991206_14.0215.C44.o1.gs	Method	GENSCAN
Start	188	End	287
GI	none	Score	.52
Exons	188..287		

Seq. No.	17991	Seq. ID	OJ991206_14.0215.C44
Gene No.	37674	Strand	-
Start	1	End	298
Name	OJ991206_14.0215.C44.o1.gp	Method	AAT/GAP
Start	1	End	298
GI	8063_1.R1084	Score	579
Exons	1..298		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	17992	Seq. ID	OJ991206_14.0215.C45
Gene No.	37675	Strand	+
Start	69	End	138
Name	OJ991206_14.0215.C45.o1.gs	Method	GENSCAN
Start	69	End	138
GI	none	Score	.83
Exons	69..138		

Seq. No.	17993	Seq. ID	OJ991206_14.0215.C46
Gene No.	37676	Strand	-
Start	146	End	500
Name	OJ991206_14.0215.C46.o1.gs	Method	GENSCAN
Start	146	End	260
GI	none	Score	.98
Exons	146..260		

Seq. No.	17993	Seq. ID	OJ991206_14.0215.C46
Gene No.	37676	Strand	-
Start	146	End	500
Name	OJ991206_14.0215.C46.o1.np	Method	AAT/NAP
Start	146	End	500
GI	6729515	Score	200
Exons	146..260, 444..500		

GI Descrip. (AL132966) protein kinase-like protein [Arabidopsis thaliana]

Seq. No.	17994	Seq. ID	OJ991206_14.0215.C47
Gene No.	37677	Strand	-
Start	354	End	419
Name	OJ991206_14.0215.C47.o1.gs	Method	GENSCAN
Start	354	End	419
GI	none	Score	.8
Exons	354..419		

Seq. No.	17995	Seq. ID	OJ991206_14.0215.C49
Gene No.	37678	Strand	-
Start	1	End	988
Name	OJ991206_14.0215.C49.o1.np	Method	AAT/NAP
Start	1	End	988
GI	2586082	Score	966
Exons	1..988		

GI Descrip. (U72725) retrofit [Oryza longistaminata]

Seq. No.	17995	Seq. ID	OJ991206_14.0215.C49
Gene No.	37678	Strand	-
Start	1	End	988
Name	OJ991206_14.0215.C49.o1.tw	Method	TBLASTX:Wheat
Start	13	End	399
GI	none	Score	133
Exons	13..171, 166..399, 172..381		

Seq. No.	17995	Seq. ID	OJ991206_14.0215.C49
Gene No.	37678	Strand	-
Start	1	End	988
Name	OJ991206_14.0215.C49.o1.tm	Method	TBLASTX:Maize
Start	217	End	774
GI	none	Score	65
Exons	217..339, 217..459, 388..468, 396..476, 637..774		

Seq. No.	17995	Seq. ID	OJ991206_14.0215.C49
Gene No.	37678	Strand	-
Start	1	End	988
Name	OJ991206_14.0215.C49.o1.gs	Method	GENSCAN
Start	219	End	687
GI	none	Score	.85
Exons	219..687		

Seq. No.	17995	Seq. ID	OJ991206_14.0215.C49
Gene No.	37678	Strand	-
Start	1	End	988
Name	OJ991206_14.0215.C49.o2.tw	Method	TBLASTX:Wheat
Start	631	End	959
GI	none	Score	68
Exons	631..780, 792..959, 794..886		

Seq. No.	17995	Seq. ID	OJ991206_14.0215.C49
Gene No.	37678	Strand	-
Start	1	End	988
Name	OJ991206_14.0215.C49.o2.tm	Method	TBLASTX:Maize
Start	786	End	986
GI	none	Score	99

Exons	786..986, 792..986		
Seq. No.	17996	Seq. ID	OJ991206_14.0215.C50
Gene No.	37679	Strand	+
Start	604	End	4447
Name	OJ991206_14.0215.C50.o1.gs	Method	GENSCAN
Start	604	End	3554
GI	none	Score	.49
Exons	604..627, 1893..2087, 2612..3035, 3331..3554		
Seq. No.	17996	Seq. ID	OJ991206_14.0215.C50
Gene No.	37679	Strand	+
Start	604	End	4447
Name	OJ991206_14.0215.C50.o1.np	Method	AAT/NAP
Start	2382	End	4447
GI	5103834	Score	208
Exons	2382..2461, 2612..2811, 4376..4447		
GI Descrip.	(AC007591) Similar to gb\|AB008104 ethylene responsive element binding factor 2 from Arabidopsis thaliana and contains an PF\|00847 AP2 domain. EST gb\|AA728476 comes from this gene.		
Seq. No.	17996	Seq. ID	OJ991206_14.0215.C50
Gene No.	37680	Strand	-
Start	3967	End	10324
Name	OJ991206_14.0215.C50.o1.gp	Method	AAT/GAP
Start	3967	End	4537
GI	26033_1.R1084	Score	1105
Exons	3967..4537		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	17996	Seq. ID	OJ991206_14.0215.C50
Gene No.	37680	Strand	-
Start	3967	End	10324
Name	OJ991206_14.0215.C50.o1.tm	Method	TBLASTX:Maize
Start	4074	End	9678
GI	none	Score	135
Exons	4074..4169, 4215..4259, 4458..4643, 4462..4638, 4753..4842, 4753..4842, 6694..6762, 7224..7328, 7280..7327, 7438..7689, 7439..7648, 8163..8267, 8164..8268, 8164..8268, 8165..8272, 8390..8461, 8392..8562, 8400..8525, 8401..8550, 8535..8690, 8557..8691, 8557..8676, 8571..8690, 8697..8756, 8700..8771, 9583..9651, 9585..9653, 9586..9678		
Seq. No.	17996	Seq. ID	OJ991206_14.0215.C50
Gene No.	37680	Strand	-
Start	3967	End	10324
Name	OJ991206_14.0215.C50.o2.gs	Method	GENSCAN
Start	4387	End	10324
GI	none	Score	.83
Exons	4387..4645, 4753..4885, 6134..6263, 7263..7330, 7440..7644, 8103..8276, 8391..8748, 9587..9677, 10261..10324		
Seq. No.	17996	Seq. ID	OJ991206_14.0215.C50
Gene No.	37680	Strand	-
Start	3967	End	10324

Name	OJ991206_14.0215.C50.o2.gp	Method	AAT/GAP
Start	7561	End	8557
GI	uC-osf1M202081a05b1	Score	763
Exons	7561..7644, 8103..8276, 8391..8557		
GI Descrip.	'2832605/emb\|CAA16546.1\| 2.0e-09 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	17997	Seq. ID	OJ991206_14.0215.C52
Gene No.	37681	Strand	+
Start	2617	End	2964
Name	OJ991206_14.0215.C52.o2.gp	Method	AAT/GAP
Start	2617	End	2964
GI	4208_1.R1084	Score	668
Exons	2617..2964		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	17997	Seq. ID	OJ991206_14.0215.C52
Gene No.	37682	Strand	-
Start	399	End	474
Name	OJ991206_14.0215.C52.o1.gp	Method	AAT/GAP
Start	399	End	474
GI	uC-osf1M202083f11b1	Score	114
Exons	399..474		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	17997	Seq. ID	OJ991206_14.0215.C52
Gene No.	37683	Strand	-
Start	2848	End	3149
Name	OJ991206_14.0215.C52.o2.gs	Method	GENSCAN
Start	2848	End	3149
GI	none	Score	.96
Exons	2848..2952, 3051..3149		

Seq. No.	17997	Seq. ID	OJ991206_14.0215.C52
Gene No.	37684	Strand	-
Start	4557	End	6273
Name	OJ991206_14.0215.C52.o3.gs	Method	GENSCAN
Start	4557	End	6273
GI	none	Score	.95
Exons	4557..4706, 5095..6273		

Seq. No.	17997	Seq. ID	OJ991206_14.0215.C52
Gene No.	37685	Strand	-
Start	7422	End	7696
Name	OJ991206_14.0215.C52.o3.gp	Method	AAT/GAP
Start	7422	End	7696
GI	61605_1.R1084	Score	476
Exons	7422..7696		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	17997	Seq. ID	OJ991206_14.0215.C52
Gene No.	37686	Strand	-

Start	8068	End	8240
Name	OJ991206_14.0215.C52.o1.np	Method	AAT/NAP
Start	8068	End	8240
GI	6063554	Score	153
Exons	8068..8240		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37687	Strand	+
Start	65	End	352
Name	OJ991206_14.0215.C53.o1.gs	Method	GENSCAN
Start	65	End	352
GI	none	Score	.99
Exons	65..352		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37688	Strand	+
Start	8727	End	10168
Name	OJ991206_14.0215.C53.o3.np	Method	AAT/NAP
Start	8727	End	10168
GI	6907088	Score	1019
Exons	8727..8864, 9040..9277, 9774..10168		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37689	Strand	+
Start	11390	End	12547
Name	OJ991206_14.0215.C53.o4.gs	Method	GENSCAN
Start	11390	End	12547
GI	none	Score	.55
Exons	11390..12547		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37690	Strand	+
Start	17145	End	17504
Name	OJ991206_14.0215.C53.o6.gs	Method	GENSCAN
Start	17145	End	17504
GI	none	Score	.99
Exons	17145..17504		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37691	Strand	+
Start	18684	End	29753
Name	OJ991206_14.0215.C53.o7.gs	Method	GENSCAN
Start	18684	End	29678
GI	none	Score	.49
Exons	18684..18989, 19927..19951, 20044..20231, 20271..20357, 20463..20579, 20673..20761, 20849..20900, 21017..21112, 21187..21231, 21311..21400, 21519..21590, 21782..21851, 22644..22806, 23571..23721, 23744..23997, 24259..24428, 24504..24697, 26813..27016, 27054..27302, 27453..27477, 27696..27798, 28509..28560, 28925..29020, 29090..29134, 29208..29297, 29550..29678		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53

Gene No.	37691	Strand	+
Start	18684	End	29753
Name	OJ991206_14.0215.C53.o5.np	Method	AAT/NAP
Start	18873	End	21907
GI	1346028	Score	794
Exons	18873..18989, 19927..19951, 20044..20159, 20271..20357, 20463..20579, 20673..20761, 20849..20900, 21017..21112, 21187..21231, 21311..21400, 21519..21590, 21782..21907		
GI Descrip.	FARNESYL PYROPHOSPHATE SYNTHETASE 1 (FPP SYNTHETASE) (FPS) (FARNESYL DIPHOSPHATE SYNTHETASE) [INCLUDES: DIMETHYLALLYLTRANSFERASE ; GERANYLTRANSTRANSFERASE] gi\|2129849\|pir\|\|S66470 farnesyl pyrophosphate synthase 1 - white lupine gi\|558923 (U15777) farnesyl pyrophosphate synthase [Lupinus albus]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37691	Strand	+
Start	18684	End	29753
Name	OJ991206_14.0215.C53.o4.gp	Method	AAT/GAP
Start	21077	End	22161
GI	2158_1.R1084	Score	1074
Exons	21077..21112, 21187..21231, 21311..21400, 21519..21590, 21782..22161		
GI Descrip.	'4680193/gb\|AAD27558.1\|AF111710_4 1.0e-32 (AF111710) putative farnesyl pyrophosphate synthase [Oryza sativa subsp. indica]'		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37691	Strand	+
Start	18684	End	29753
Name	OJ991206_14.0215.C53.o6.np	Method	AAT/NAP
Start	21578	End	25668
GI	4467095	Score	98
Exons	21578..21677, 23593..23871, 25549..25668		
GI Descrip.	(AL035538) putative protein [Arabidopsis thaliana]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37691	Strand	+
Start	18684	End	29753
Name	OJ991206_14.0215.C53.o6.gp	Method	AAT/GAP
Start	26984	End	27994
GI	uC-osflm202109e07b1	Score	982
Exons	26984..27302, 27453..27477, 27696..27811, 27918..27994		
GI Descrip.	'1922251/emb\|CAA72793\| 5.0e-37 (Y12072) farnesyl pyrophosphate synthase [Gossypium arboreum]'		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37691	Strand	+
Start	18684	End	29753
Name	OJ991206_14.0215.C53.o8.np	Method	AAT/NAP
Start	27158	End	29675
GI	2073375	Score	682
Exons	27158..27302, 27453..27477, 27696..27811, 27918..28004, 28099..28215, 28305..28393, 28509..28560, 28925..29020, 29090..29134, 29208..29297, 29372..29443, 29550..29675		
GI Descrip.	(D85317) farnesyl pyrophosphate synthase [Oryza sativa] gi\|4063829\|dbj\|BAA36276\| (AB021747) farnesyl diphosphate synthase [Oryza sativa]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37691	Strand	+
Start	18684	End	29753
Name	OJ991206_14.0215.C53.o9.np	Method	AAT/NAP
Start	27647	End	29675
GI	1346028	Score	630
Exons	27647..27811, 27918..28004, 28099..28215, 28305..28393, 28509..28560, 28925..29020, 29090..29134, 29208..29297, 29372..29443, 29550..29675		
GI Descrip.	FARNESYL PYROPHOSPHATE SYNTHETASE 1 (FPP SYNTHETASE) (FPS) (FARNESYL DIPHOSPHATE SYNTHETASE) [INCLUDES: DIMETHYLALLYLTRANSFERASE ; GERANYLTRANSTRANSFERASE] gi\|2129849\|pir\|\|S66470 farnesyl pyrophosphate synthase 1 - white lupine gi\|558923 (U15777) farnesyl pyrophosphate synthase [Lupinus albus]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37691	Strand	+
Start	18684	End	29753
Name	OJ991206_14.0215.C53.o7.gp	Method	AAT/GAP
Start	28514	End	29753
GI	uC-osflcyp053f03b1	Score	951
Exons	28514..28560, 28925..29020, 29090..29134, 29208..29297, 29372..29443, 29550..29753		
GI Descrip.	'2073375/dbj\|BAA19856\| 4.0e-51 (D85317) farnesyl pyrophosphate synthase [Oryza sativa] >gi_4063829_dbj_BAA36276_ (AB021747) farnesyl diphosphate synthase [Oryza sativa]'		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37692	Strand	+
Start	30553	End	35381
Name	OJ991206_14.0215.C53.o10.np	Method	AAT/NAP
Start	30451	End	35381
GI	6069646	Score	927
Exons	30451..30593, 34590..34961, 35011..35381		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37692	Strand	+
Start	30553	End	35381
Name	OJ991206_14.0215.C53.o8.gs	Method	GENSCAN
Start	30553	End	30822
GI	none	Score	.91
Exons	30553..30639, 30745..30822		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37692	Strand	+
Start	30553	End	35381
Name	OJ991206_14.0215.C53.o11.np	Method	AAT/NAP
Start	33917	End	35381
GI	6069646	Score	928
Exons	33917..33958, 34589..34961, 35011..35381		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37693	Strand	+
Start	36535	End	38687
Name	OJ991206_14.0215.C53.o10.gs	Method	GENSCAN
Start	36535	End	38687
GI	none	Score	.47
Exons	36535..36623, 37657..37731, 38573..38687		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37694	Strand	+
Start	40996	End	46784
Name	OJ991206_14.0215.C53.o11.gs	Method	GENSCAN
Start	40996	End	46784
GI	none	Score	.9
Exons	40996..41238, 41310..41507, 41629..41745, 42944..43109, 46378..46784		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37694	Strand	+
Start	40996	End	46784
Name	OJ991206_14.0215.C53.o12.np	Method	AAT/NAP
Start	41026	End	46781
GI	3004558	Score	751
Exons	41026..41238, 41310..41507, 42944..43109, 46378..46781		
GI Descrip.	(AC003673) peroxidase (ATP22a) [Arabidopsis thaliana]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37695	Strand	-
Start	276	End	8663
Name	OJ991206_14.0215.C53.o1.np	Method	AAT/NAP
Start	276	End	8362
GI	5257279	Score	3604
Exons	276..366, 566..659, 778..810, 2152..2745, 2860..3022, 3239..5484, 5535..6054, 8320..8362		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37695	Strand	-
Start	276	End	8663
Name	OJ991206_14.0215.C53.o2.np	Method	AAT/NAP
Start	6806	End	7587
GI	6002794	Score	1262
Exons	6806..7587		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37695	Strand	-
Start	276	End	8663
Name	OJ991206_14.0215.C53.o3.gs	Method	GENSCAN
Start	8171	End	8663

GI	none	Score	.83
Exons	8171..8244, 8654..8663		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37696	Strand	-
Start	13252	End	16774
Name	OJ991206_14.0215.C53.o1.gp	Method	AAT/GAP
Start	13252	End	15469
GI	none	Score	1353
Exons	13252..13867, 15352..15469		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37696	Strand	-
Start	13252	End	16774
Name	OJ991206_14.0215.C53.o5.gs	Method	GENSCAN
Start	13610	End	16652
GI	none	Score	.73
Exons	13610..13867, 15352..15971, 16077..16304, 16370..16652		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37696	Strand	-
Start	13252	End	16774
Name	OJ991206_14.0215.C53.o2.gp	Method	AAT/GAP
Start	15487	End	16177
GI	none	Score	1036
Exons	15487..15971, 16077..16177		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37696	Strand	-
Start	13252	End	16774
Name	OJ991206_14.0215.C53.o3.gp	Method	AAT/GAP
Start	16432	End	16774
GI	4715634	Score	666
Exons	16432..16774		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37697	Strand	-
Start	24032	End	24314
Name	OJ991206_14.0215.C53.o5.gp	Method	AAT/GAP
Start	24032	End	24268
GI	none	Score	215
Exons	24032..24108, 24210..24268		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37697	Strand	-
Start	24032	End	24314
Name	OJ991206_14.0215.C53.o7.np	Method	AAT/NAP
Start	24163	End	24314
GI	6723401	Score	75
Exons	24163..24314		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37698	Strand	-
Start	34492	End	36002
Name	OJ991206_14.0215.C53.o9.gs	Method	GENSCAN
Start	34492	End	36002

GI	none	Score	.76
Exons	34492..34859, 34939..35091, 35194..35246, 35932..36002		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o5.tw	Method	TBLASTX:Wheat
Start	1784	End	2116
GI	none	Score	158
Exons	1784..2116, 1805..2077		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o14.tm	Method	TBLASTX:Maize
Start	1799	End	1957
GI	none	Score	199
Exons	1799..1957		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o2.tm	Method	TBLASTX:Maize
Start	1967	End	2564
GI	none	Score	200
Exons	1967..2404, 1977..2405, 2226..2405, 2311..2406, 2402..2560, 2409..2555, 2411..2563, 2412..2564		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o1.tw	Method	TBLASTX:Wheat
Start	2117	End	2743
GI	none	Score	317
Exons	2117..2743, 2118..2648		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o7.tm	Method	TBLASTX:Maize
Start	2612	End	2904
GI	none	Score	128
Exons	2612..2902, 2615..2830, 2712..2891, 2770..2904		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o5.ts	Method	TBLASTX:Soybean
Start	2702	End	2957
GI	none	Score	69
Exons	2702..2830, 2702..2950, 2712..2957		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o4.tc	Method	TBLASTX:Cress
Start	2726	End	3043

GI	none	Score	102
Exons	2726..2869, 2742..2867, 2870..3022, 2870..3043		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o3.tw	Method	TBLASTX:Wheat
Start	2750	End	3274
GI	none	Score	287
Exons	2750..3274, 2754..3200		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o2.tw	Method	TBLASTX:Wheat
Start	3317	End	3743
GI	none	Score	117
Exons	3317..3742, 3319..3681, 3332..3685, 3354..3743		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o3.tm	Method	TBLASTX:Maize
Start	3317	End	3670
GI	none	Score	196
Exons	3317..3670, 3402..3668		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o6.ts	Method	TBLASTX:Soybean
Start	3491	End	3733
GI	none	Score	70
Exons	3491..3733, 3609..3707		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o5.tm	Method	TBLASTX:Maize
Start	3707	End	4207
GI	none	Score	79
Exons	3707..4042, 3729..3881, 4028..4207		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o6.tw	Method	TBLASTX:Wheat
Start	3749	End	4045
GI	none	Score	194
Exons	3749..4045, 3759..4001		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o3.ts	Method	TBLASTX:Soybean
Start	3758	End	4153
GI	none	Score	156

Exons	3758..4117, 3759..4001, 3809..4117, 4077..4136, 4121..4153, 4121..4153		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o4.tw	Method	TBLASTX:Wheat
Start	4094	End	4577
GI	none	Score	172
Exons	4094..4576, 4103..4549, 4122..4577		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o8.tm	Method	TBLASTX:Maize
Start	4277	End	4565
GI	none	Score	214
Exons	4277..4564, 4278..4565		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o7.tw	Method	TBLASTX:Wheat
Start	4718	End	5122
GI	none	Score	91
Exons	4718..4888, 4746..4892, 4901..5122, 4968..5078, 5069..5122		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o13.tm	Method	TBLASTX:Maize
Start	4805	End	5128
GI	none	Score	65
Exons	4805..5125, 4805..5128		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o11.tm	Method	TBLASTX:Maize
Start	5438	End	5839
GI	none	Score	239
Exons	5438..5839		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o8.tw	Method	TBLASTX:Wheat
Start	5720	End	6097
GI	none	Score	267
Exons	5720..6097		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o3.tc	Method	TBLASTX:Cress
Start	13634	End	15969
GI	none	Score	95

Exons	13634..13801, 15349..15402, 15418..15717, 15503..15715, 15769..15969		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o1.ts	Method	TBLASTX:Soybean
Start	13640	End	16649
GI	none	Score	84
Exons	13640..13798, 15349..15714, 15509..15715, 15727..15972, 15755..15892, 16078..16221, 16530..16649		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o6.tm	Method	TBLASTX:Maize
Start	13640	End	16182
GI	none	Score	127
Exons	13640..13798, 15361..15408, 15487..15729, 15509..15715, 15763..15972, 16078..16182, 16078..16179		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o2.ts	Method	TBLASTX:Soybean
Start	18885	End	31237
GI	none	Score	59
Exons	18885..18953, 18951..18992, 19924..19956, 20043..20162, 20271..20372, 20460..20582, 20462..20581, 20670..20756, 20850..20906, 20852..20902, 21017..21112, 21017..21112, 21160..21243, 21184..21240, 27689..27811, 27694..27813, 27695..27814, 27918..28007, 27921..28007, 28096..28218, 28296..28385, 28316..28384, 28510..28566, 28512..28598, 28901..29020, 28924..29040, 29051..29152, 29087..29152, 31124..31201, 31190..31237		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o1.tc	Method	TBLASTX:Cress
Start	19924	End	29678
GI	none	Score	42
Exons	19924..19956, 20043..20162, 20043..20159, 20271..20372, 20459..20581, 20460..20582, 20670..20756, 20681..20749, 20846..20902, 20850..20906, 21017..21112, 21184..21240, 21184..21246, 21308..21400, 21308..21400, 21510..21590, 21516..21590, 21785..21910, 27694..27813, 27695..27814, 27921..28007, 27939..28007, 28096..28218, 28098..28226, 28296..28385, 28307..28381, 28510..28566, 28901..29020, 29051..29152, 29087..29152, 29205..29306, 29207..29257, 29375..29443, 29547..29678		
Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o1.tm	Method	TBLASTX:Maize
Start	19924	End	29678

GI	none	Score	41
Exons	19924..19956, 20042..20161, 20043..20162, 20250..20369, 20271..20372, 20460..20582, 20670..20756, 20684..20752, 20850..20921, 20852..20902, 21017..21112, 21017..21112, 21019..21114, 21182..21229, 21183..21230, 21184..21240, 21308..21400, 21313..21357, 21519..21590, 21779..21910, 21782..21919, 27189..27296, 27694..27813, 27695..27814, 27921..28007, 28089..28217, 28095..28217, 28096..28218, 28296..28385, 28316..28387, 28509..28574, 28510..28566, 28901..29020, 28924..29013, 29051..29152, 29087..29152, 29205..29306, 29207..29260, 29547..29678		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o10.tm	Method	TBLASTX:Maize
Start	23569	End	23871
GI	none	Score	187
Exons	23569..23715, 23569..23709, 23723..23827, 23768..23809, 23805..23828, 23826..23870, 23827..23871		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o12.tm	Method	TBLASTX:Maize
Start	34834	End	38294
GI	none	Score	116
Exons	34834..34971, 34958..35119, 35157..35351, 38118..38294		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o2.tc	Method	TBLASTX:Cress
Start	41094	End	46774
GI	none	Score	134
Exons	41094..41237, 41107..41232, 41297..41329, 41304..41351, 41343..41507, 41438..41506, 42925..43110, 42947..43111, 46374..46769, 46610..46774		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o4.ts	Method	TBLASTX:Soybean
Start	41107	End	46772
GI	none	Score	128
Exons	41107..41232, 41304..41333, 41343..41507, 42925..43110, 42947..43111, 46374..46772, 46499..46576, 46610..46768		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o9.tm	Method	TBLASTX:Maize
Start	41304	End	41510
GI	none	Score	329
Exons	41304..41510, 41309..41509		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53

Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o4.tm	Method	TBLASTX:Maize
Start	46374	End	46649
GI	none	Score	460
Exons	46374..46649, 46376..46648		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o15.tm	Method	TBLASTX:Maize
Start	46649	End	46774
GI	none	Score	188
Exons	46649..46774, 46650..46772		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o13.np	Method	AAT/NAP
Start	54569	End	57650
GI	6016502	Score	1118
Exons	54569..54757, 54803..54963, 55181..55338, 57312..57650		
GI Descrip.	LIGULELESS1 PROTEIN gi\|1914845 (U89496) liguleless1 protein [Zea mays]		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o9.gp	Method	AAT/GAP
Start	54620	End	55252
GI	uC-osflcyp028d01b1	Score	788
Exons	54620..54963, 55181..55252		
GI Descrip.	'6016502/sp\|O04003\|LG1_MAIZE 4.0e-35 LIGULELESS1 PROTEIN >gi_1914845 (U89496) liguleless1 protein [Zea mays]'		

Seq. No.	17998	Seq. ID	OJ991206_14.0215.C53
Gene No.	37699	Strand	-
Start	54569	End	57650
Name	OJ991206_14.0215.C53.o7.ts	Method	TBLASTX:Soybean
Start	55251	End	57544
GI	none	Score	60
Exons	55251..55349, 57291..57359, 57309..57332, 57311..57421, 57347..57511, 57373..57396, 57438..57458, 57497..57544		

Seq. No.	17999	Seq. ID	OJ991206_14.0215.C54
Gene No.	37700	Strand	+
Start	118	End	371
Name	OJ991206_14.0215.C54.o1.gs	Method	GENSCAN
Start	118	End	371
GI	none	Score	.6
Exons	118..279, 305..371		

Seq. No.	17999	Seq. ID	OJ991206_14.0215.C54
Gene No.	37701	Strand	-
Start	6220	End	7790
Name	OJ991206_14.0215.C54.o3.gs	Method	GENSCAN
Start	6220	End	7790

GI	none	Score	.57
Exons	6220..6540, 6573..6753, 7726..7790		

Seq. No.	18000	Seq. ID	OJ991206_14.0215.C55
Gene No.	37702	Strand	+
Start	4389	End	5489
Name	OJ991206_14.0215.C55.o2.gs	Method	GENSCAN
Start	4389	End	5489
GI	none	Score	.62
Exons	4389..4516, 4829..4983, 5410..5489		

Seq. No.	18000	Seq. ID	OJ991206_14.0215.C55
Gene No.	37703	Strand	-
Start	7456	End	7770
Name	OJ991206_14.0215.C55.o3.gs	Method	GENSCAN
Start	7456	End	7770
GI	none	Score	.56
Exons	7456..7583, 7596..7770		

Seq. No.	18001	Seq. ID	OJ991206_14.0215.C56
Gene No.	37704	Strand	+
Start	533	End	2755
Name	OJ991206_14.0215.C56.o1.gs	Method	GENSCAN
Start	533	End	2755
GI	none	Score	.61
Exons	533..675, 1045..1364, 1437..1529, 2556..2755		

Seq. No.	18001	Seq. ID	OJ991206_14.0215.C56
Gene No.	37705	Strand	+
Start	7290	End	7639
Name	OJ991206_14.0215.C56.o1.gp	Method	AAT/GAP
Start	7290	End	7639
GI	17527_1.R1084	Score	672
Exons	7290..7639		
GI Descrip.	'1076809/pir\|\|S52739 1.0e-138 H+-transporting ATPase (EC 3.6.1.35) - maize >gi_758355_emb_CAA59800_ (X85805) H(+)-transporting ATPase [Zea mays]'		

Seq. No.	18001	Seq. ID	OJ991206_14.0215.C56
Gene No.	37706	Strand	-
Start	3001	End	5700
Name	OJ991206_14.0215.C56.o2.gs	Method	GENSCAN
Start	3001	End	5700
GI	none	Score	.44
Exons	3001..3208, 3387..3501, 4151..4250, 4821..5022, 5376..5482, 5674..5700		

Seq. No.	18001	Seq. ID	OJ991206_14.0215.C56
Gene No.	37707	Strand	-
Start	7282	End	7484
Name	OJ991206_14.0215.C56.o3.gs	Method	GENSCAN
Start	7282	End	7484
GI	none	Score	.88
Exons	7282..7383, 7454..7484		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-

Start	1	End	6542
Name	OJ991206_14.0215.C57.o1.gp	Method	AAT/GAP
Start	1	End	1032
GI	17527_1.R1084	Score	1321
Exons	1..217, 318..500, 594..767, 872..1032		
GI Descrip.	'1076809/pir\|\|S52739 1.0e-138 H+-transporting ATPase (EC 3.6.1.35) - maize >gi_758355_emb_CAA59800_ (X85805) H(+)-transporting ATPase [Zea mays]'		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o1.np	Method	AAT/NAP
Start	1	End	6203
GI	1076809	Score	3991
Exons	1..217, 318..500, 594..767, 872..1032, 1128..1209, 1293..1325, 1420..1658, 1739..1903, 1985..2129, 2212..2316, 2412..3296, 4074..4310, 4427..4546, 6162..6203		
GI Descrip.	H+-transporting ATPase (EC 3.6.1.35) - maize gi\|758355\|emb\|CAA59800\| (X85805) H(+)-transporting ATPase [Zea mays]		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o1.tc	Method	TBLASTX:Cress
Start	21	End	4547
GI	none	Score	52
Exons	21..68, 29..106, 122..214, 127..219, 310..507, 318..548, 319..501, 585..797, 586..783, 594..791, 871..1032, 872..1033, 872..1033, 876..1037, 1126..1209, 1126..1206, 1278..1325, 1282..1323, 1417..1578, 1421..1579, 1564..1665, 1571..1660, 1581..1685, 1740..1907, 1741..1851, 1743..1904, 1983..2099, 1983..2132, 1984..2130, 1984..2133, 2209..2319, 2219..2320, 2399..2575, 2409..3299, 2413..3297, 3098..3298, 4071..4313, 4089..4313, 4129..4323, 4412..4546, 4416..4547		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o2.ts	Method	TBLASTX:Soybean
Start	21	End	1907
GI	none	Score	54
Exons	21..68, 29..115, 113..214, 123..218, 130..219, 318..479, 318..479, 319..501, 337..507, 585..776, 586..783, 626..784, 864..1031, 872..1033, 872..1033, 876..1037, 1124..1210, 1126..1206, 1294..1326, 1417..1665, 1421..1660, 1740..1901, 1740..1907		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o1.tm	Method	TBLASTX:Maize
Start	29	End	4910
GI	none	Score	58
Exons	29..214, 30..68, 117..218, 121..225, 318..500, 318..479, 319..546, 585..788, 586..783, 594..794, 707..799, 872..1033,		

872..1033, 876..1037, 1124..1210, 1126..1209, 1293..1325,
1294..1323, 1417..1665, 1420..1608, 1421..1660, 1688..1855,
1739..1858, 1740..1904, 1740..1907, 1983..2099, 1983..2132,
1984..2133, 2210..2320, 2212..2319, 2391..3299, 2396..2728,
2411..3319, 2413..3297, 4064..4102, 4071..4313, 4089..4313,
4129..4323, 4412..4510, 4423..4455, 4425..4511, 4425..4523,
4863..4910

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o1.gs	Method	GENSCAN
Start	30	End	6542
GI	none	Score	.96
Exons	30..217, 318..500, 594..767, 872..1032, 1128..1209, 1293..1325, 1420..1658, 1739..1903, 1985..2129, 2212..2316, 2412..3296, 4074..4310, 4427..4546, 6162..6250, 6402..6542		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o4.tw	Method	TBLASTX:Wheat
Start	107	End	465
GI	none	Score	83
Exons	107..214, 114..218, 124..225, 127..228, 308..352, 318..458, 318..464, 319..465		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o1.tw	Method	TBLASTX:Wheat
Start	466	End	2272
GI	none	Score	50
Exons	466..507, 468..500, 578..655, 585..788, 586..765, 872..1033, 873..1037, 1126..1209, 1126..1209, 1293..1325, 1297..1326, 1298..1327, 1417..1665, 1421..1660, 1553..1678, 1557..1685, 1739..1852, 1740..1904, 1740..1907, 1741..1905, 1983..2099, 1983..2132, 1984..2133, 2206..2265, 2210..2272, 2210..2272		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o2.gp	Method	AAT/GAP
Start	903	End	1324
GI	uC-osflM202039d03b1	Score	331
Exons	903..1032, 1128..1209, 1293..1324		
GI Descrip.	'1304270/dbj\|BAA08134\| 2.0e-33 (D45189) plasma membrane H+-ATPase [Zostera marina]'		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o3.gp	Method	AAT/GAP
Start	1494	End	4246
GI	29715_1.R1084	Score	2973
Exons	1494..1658, 1739..1903, 1985..2129, 2212..2316, 2412..3296, 4074..4246		

GI Descrip. '1076809/pir||S52739 0.0e+00 H+-transporting ATPase (EC 3.6.1.35) - maize >gi_758355_emb_CAA59800_ (X85805) H(+)-transporting ATPase [Zea mays]'

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o1.ts	Method	TBLASTX:Soybean
Start	1983	End	3239
GI	none	Score	116
Exons	1983..2099, 1986..2132, 1987..2133, 2205..2324, 2210..2317, 2212..2319, 2391..3239, 2403..3236, 2404..3237		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o2.tw	Method	TBLASTX:Wheat
Start	2649	End	3031
GI	none	Score	415
Exons	2649..3023, 2649..3029, 2650..3030, 2651..3031		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o3.tw	Method	TBLASTX:Wheat
Start	3032	End	4313
GI	none	Score	364
Exons	3032..3319, 3033..3335, 3033..3299, 3247..3318, 4070..4111, 4071..4217, 4089..4124, 4138..4218, 4218..4313		

Seq. No.	18002	Seq. ID	OJ991206_14.0215.C57
Gene No.	37708	Strand	-
Start	1	End	6542
Name	OJ991206_14.0215.C57.o3.ts	Method	TBLASTX:Soybean
Start	3240	End	4547
GI	none	Score	80
Exons	3240..3299, 3241..3297, 4059..4313, 4073..4111, 4129..4323, 4425..4547, 4427..4546		

Seq. No.	18003	Seq. ID	OJ991206_14.0215.C58
Gene No.	37709	Strand	+
Start	1686	End	3175
Name	OJ991206_14.0215.C58.o1.gs	Method	GENSCAN
Start	1686	End	3175
GI	none	Score	.77
Exons	1686..1777, 2115..2245, 3000..3175		

Seq. No.	18004	Seq. ID	OJ991206_14.0215.C59
Gene No.	37710	Strand	-
Start	278	End	1614
Name	OJ991206_14.0215.C59.o1.np	Method	AAT/NAP
Start	195	End	1614
GI	5852084	Score	75
Exons	195..277, 1549..1614		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	18004	Seq. ID	OJ991206_14.0215.C59

Gene No.	37710	Strand	-
Start	278	End	1614
Name	OJ991206_14.0215.C59.o1.gs	Method	GENSCAN
Start	278	End	1436
GI	none	Score	.41
Exons	278..346, 428..540, 1081..1323, 1379..1436		

Seq. No.	18005	Seq. ID	OJ991206_14.0215.C60
Gene No.	37711	Strand	+
Start	329	End	1752
Name	OJ991206_14.0215.C60.o1.gs	Method	GENSCAN
Start	329	End	1752
GI	none	Score	.94
Exons	329..347, 397..488, 1603..1752		

Seq. No.	18005	Seq. ID	OJ991206_14.0215.C60
Gene No.	37712	Strand	-
Start	2765	End	2995
Name	OJ991206_14.0215.C60.o2.gs	Method	GENSCAN
Start	2765	End	2995
GI	none	Score	.57
Exons	2765..2995		

Seq. No.	18006	Seq. ID	OJ991206_14.0215.C61
Gene No.	37713	Strand	+
Start	211	End	411
Name	OJ991206_14.0215.C61.o1.gs	Method	GENSCAN
Start	211	End	411
GI	none	Score	.93
Exons	211..411		

Seq. No.	18006	Seq. ID	OJ991206_14.0215.C61
Gene No.	37714	Strand	-
Start	1623	End	2913
Name	OJ991206_14.0215.C61.o2.gs	Method	GENSCAN
Start	1623	End	2913
GI	none	Score	.47
Exons	1623..1709, 2195..2394, 2790..2913		

Seq. No.	18007	Seq. ID	OJ991206_14.0215.C62
Gene No.	37715	Strand	+
Start	243	End	1603
Name	OJ991206_14.0215.C62.o1.gs	Method	GENSCAN
Start	243	End	1603
GI	none	Score	.63
Exons	243..341, 1000..1092, 1257..1432, 1516..1603		

Seq. No.	18007	Seq. ID	OJ991206_14.0215.C62
Gene No.	37716	Strand	-
Start	413	End	1022
Name	OJ991206_14.0215.C62.o1.np	Method	AAT/NAP
Start	413	End	1022
GI	6063557	Score	333
Exons	413..564, 813..1022		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	18007	Seq. ID	OJ991206_14.0215.C62

Gene No.	37717	Strand	-
Start	2358	End	2462
Name	OJ991206_14.0215.C62.o2.gs	Method	GENSCAN
Start	2358	End	2462
GI	none	Score	.63
Exons	2358..2462		

Seq. No.	18008	Seq. ID	OJ991206_14.0215.C64
Gene No.	37718	Strand	+
Start	1	End	374
Name	OJ991206_14.0215.C64.o2.np	Method	AAT/NAP
Start	1	End	374
GI	4680183	Score	140
Exons	1..72, 285..374		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	18008	Seq. ID	OJ991206_14.0215.C64
Gene No.	37719	Strand	-
Start	1	End	252
Name	OJ991206_14.0215.C64.o1.np	Method	AAT/NAP
Start	1	End	252
GI	6721561	Score	82
Exons	1..29, 166..252		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18009	Seq. ID	OJ991206_11.0210.C1
Gene No.	37720	Strand	-
Start	130	End	189
Name	OJ991206_11.0210.C1.o1.gp	Method	AAT/GAP
Start	130	End	189
GI	2312838	Score	63
Exons	130..189		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	18010	Seq. ID	OJ991206_11.0210.C2
Gene No.	37721	Strand	-
Start	359	End	621
Name	OJ991206_11.0210.C2.o1.gs	Method	GENSCAN
Start	359	End	621
GI	none	Score	.5
Exons	359..409, 543..621		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o1.np	Method	AAT/NAP
Start	1	End	4482
GI	4680179	Score	6759
Exons	1..4482		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3

Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o6.tw	Method	TBLASTX:Wheat
Start	1	End	312
GI	none	Score	130
Exons	1..285, 1..312		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o1.tm	Method	TBLASTX:Maize
Start	160	End	759
GI	none	Score	261
Exons	160..600, 173..601, 596..751, 598..759, 605..751		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o1.tw	Method	TBLASTX:Wheat
Start	313	End	939
GI	none	Score	403
Exons	313..939, 314..937		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o3.tm	Method	TBLASTX:Maize
Start	808	End	1099
GI	none	Score	83
Exons	808..1098, 810..1097, 812..1099		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o2.ts	Method	TBLASTX:Soybean
Start	898	End	1158
GI	none	Score	166
Exons	898..1158, 899..1153		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o1.tc	Method	TBLASTX:Cress
Start	922	End	1239
GI	none	Score	92
Exons	922..1065, 923..1063, 1066..1239		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o3.tw	Method	TBLASTX:Wheat
Start	946	End	1425
GI	none	Score	261
Exons	946..1425, 947..1201, 979..1392		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-

Start	1	End	7229
Name	OJ991206_11.0210.C3.o2.np	Method	AAT/NAP
Start	1245	End	7229
GI	4539664	Score	356
Exons	1245..1324, 3409..4427, 7070..7229		
GI Descrip.	(AF061282) hypothetical protein [Sorghum bicolor]		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o2.tw	Method	TBLASTX:Wheat
Start	1429	End	1938
GI	none	Score	270
Exons	1429..1938, 1516..1899, 1520..1930		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o2.tm	Method	TBLASTX:Maize
Start	1503	End	1866
GI	none	Score	240
Exons	1503..1826, 1513..1866, 1520..1864		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o3.ts	Method	TBLASTX:Soybean
Start	1687	End	1932
GI	none	Score	209
Exons	1687..1932		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o5.tm	Method	TBLASTX:Maize
Start	1867	End	2220
GI	none	Score	124
Exons	1867..2220, 1874..2152		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o5.tw	Method	TBLASTX:Wheat
Start	1939	End	2241
GI	none	Score	239
Exons	1939..2241, 1940..2203, 1948..2241		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o1.ts	Method	TBLASTX:Soybean
Start	1954	End	2349
GI	none	Score	154
Exons	1954..2313, 1955..2197, 1984..2292, 2166..2306, 2317..2349, 2321..2347		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3

Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o4.tm	Method	TBLASTX:Maize
Start	2236	End	2703
GI	none	Score	77
Exons	2236..2703, 2368..2616, 2462..2632		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o4.tw	Method	TBLASTX:Wheat
Start	2290	End	2772
GI	none	Score	266
Exons	2290..2772, 2333..2668		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o4.ts	Method	TBLASTX:Soybean
Start	2422	End	2736
GI	none	Score	59
Exons	2422..2736, 2423..2620		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o8.tw	Method	TBLASTX:Wheat
Start	2947	End	3348
GI	none	Score	54
Exons	2947..3120, 2978..3046, 3028..3087, 3124..3348, 3182..3334		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o7.tm	Method	TBLASTX:Maize
Start	3034	End	3310
GI	none	Score	78
Exons	3034..3309, 3209..3310		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o6.tm	Method	TBLASTX:Maize
Start	3676	End	4008
GI	none	Score	104
Exons	3676..4008, 3821..3985		

Seq. No.	18011	Seq. ID	OJ991206_11.0210.C3
Gene No.	37722	Strand	-
Start	1	End	7229
Name	OJ991206_11.0210.C3.o7.tw	Method	TBLASTX:Wheat
Start	3889	End	4269
GI	none	Score	91
Exons	3889..4269, 3890..4123, 4072..4242, 4148..4249		

Seq. No.	18012	Seq. ID	OJ991206_11.0210.C4
Gene No.	37723	Strand	+

Start	1111	End	1951
Name	OJ991206_11.0210.C4.o1.gs	Method	GENSCAN
Start	1111	End	1951
GI	none	Score	.54
Exons	1111..1233, 1409..1687, 1731..1951		

Seq. No.	18012	Seq. ID	OJ991206_11.0210.C4
Gene No.	37724	Strand	-
Start	1	End	4497
Name	OJ991206_11.0210.C4.o1.np	Method	AAT/NAP
Start	1	End	3303
GI	5091529	Score	46
Exons	1..30, 1108..1210, 3224..3303		
GI Descrip.	(AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]		

Seq. No.	18012	Seq. ID	OJ991206_11.0210.C4
Gene No.	37724	Strand	-
Start	1	End	4497
Name	OJ991206_11.0210.C4.o2.np	Method	AAT/NAP
Start	1338	End	1723
GI	5734709	Score	54
Exons	1338..1527, 1565..1723		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	18012	Seq. ID	OJ991206_11.0210.C4
Gene No.	37724	Strand	-
Start	1	End	4497
Name	OJ991206_11.0210.C4.o3.np	Method	AAT/NAP
Start	1390	End	4497
GI	4733937	Score	126
Exons	1390..1415, 3635..3931, 4358..4497		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	18012	Seq. ID	OJ991206_11.0210.C4
Gene No.	37725	Strand	-
Start	4417	End	5773
Name	OJ991206_11.0210.C4.o3.gs	Method	GENSCAN
Start	4417	End	5773
GI	none	Score	.95
Exons	4417..4541, 5764..5773		

Seq. No.	18013	Seq. ID	OJ991206_11.0210.C5
Gene No.	37726	Strand	-
Start	4389	End	5127
Name	OJ991206_11.0210.C5.o2.gs	Method	GENSCAN
Start	4389	End	5127
GI	none	Score	.68
Exons	4389..4551, 5057..5127		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37727	Strand	+
Start	1705	End	4589
Name	OJ991206_11.0210.C6.o1.gs	Method	GENSCAN

Start	1705	End	4589
GI	none	Score	.79
Exons	1705..1932, 2135..2287, 3366..3663, 3779..3873, 4059..4166, 4206..4589		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37728	Strand	+
Start	6822	End	12131
Name	OJ991206_11.0210.C6.o1.gp	Method	AAT/GAP
Start	6643	End	10431
GI	uC-osf1cyp033a04b1	Score	675
Exons	6643..6906, 10312..10431		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37728	Strand	+
Start	6822	End	12131
Name	OJ991206_11.0210.C6.o3.gs	Method	GENSCAN
Start	6822	End	8398
GI	none	Score	.71
Exons	6822..6897, 7370..7472, 7676..7799, 8273..8398		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37728	Strand	+
Start	6822	End	12131
Name	OJ991206_11.0210.C6.o4.gs	Method	GENSCAN
Start	8894	End	12131
GI	none	Score	.62
Exons	8894..9037, 9060..9326, 11321..11400, 11570..12131		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37729	Strand	+
Start	12380	End	15498
Name	OJ991206_11.0210.C6.o5.gs	Method	GENSCAN
Start	12380	End	15403
GI	none	Score	.86
Exons	12380..15403		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37729	Strand	+
Start	12380	End	15498
Name	OJ991206_11.0210.C6.o1.np	Method	AAT/NAP
Start	12392	End	15498
GI	4680179	Score	3319
Exons	12392..13468, 13502..15498		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37730	Strand	-
Start	5294	End	5845
Name	OJ991206_11.0210.C6.o5.tm	Method	TBLASTX:Maize
Start	3264	End	3599
GI	none	Score	154
Exons	3264..3389, 3281..3379, 3390..3599, 3401..3502		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6

Gene No.	37730	Strand	-
Start	5294	End	5845
Name	OJ991206_11.0210.C6.o2.gs	Method	GENSCAN
Start	5294	End	5845
GI	none	Score	1
Exons	5294..5845		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37731	Strand	
Start	12626	End	12825
Name	OJ991206_11.0210.C6.o6.tw	Method	TBLASTX:Wheat
Start	12626	End	12825
GI	none	Score	211
Exons	12626..12823, 12628..12825		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37732	Strand	
Start	12859	End	13210
Name	OJ991206_11.0210.C6.o4.tw	Method	TBLASTX:Wheat
Start	12859	End	13210
GI	none	Score	289
Exons	12859..13053, 12860..13210		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37732	Strand	
Start	12859	End	13210
Name	OJ991206_11.0210.C6.o4.tm	Method	TBLASTX:Maize
Start	12860	End	13165
GI	none	Score	228
Exons	12860..13165, 12874..12990		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37733	Strand	
Start	13493	End	13951
Name	OJ991206_11.0210.C6.o6.tm	Method	TBLASTX:Maize
Start	13493	End	13846
GI	none	Score	188
Exons	13493..13846		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37733	Strand	
Start	13493	End	13951
Name	OJ991206_11.0210.C6.o5.tw	Method	TBLASTX:Wheat
Start	13529	End	13951
GI	none	Score	164
Exons	13529..13738, 13585..13737, 13783..13896, 13784..13951		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37734	Strand	
Start	14062	End	14935
Name	OJ991206_11.0210.C6.o2.tw	Method	TBLASTX:Wheat
Start	14062	End	14548
GI	none	Score	546
Exons	14062..14505, 14066..14548		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37734	Strand	

Start	14062	End	14935
Name	OJ991206_11.0210.C6.o3.tm	Method	TBLASTX:Maize
Start	14077	End	14367
GI	none	Score	325
Exons	14077..14367, 14078..14365		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37734	Strand	
Start	14062	End	14935
Name	OJ991206_11.0210.C6.o3.ts	Method	TBLASTX:Soybean
Start	14102	End	14416
GI	none	Score	185
Exons	14102..14416		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37734	Strand	
Start	14062	End	14935
Name	OJ991206_11.0210.C6.o2.tm	Method	TBLASTX:Maize
Start	14435	End	14935
GI	none	Score	167
Exons	14435..14614, 14443..14589, 14621..14935, 14764..14814, 14842..14892		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37734	Strand	
Start	14062	End	14935
Name	OJ991206_11.0210.C6.o1.ts	Method	TBLASTX:Soybean
Start	14489	End	14884
GI	none	Score	57
Exons	14489..14521, 14491..14520, 14525..14884, 14527..14565, 14593..14883		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37734	Strand	
Start	14062	End	14935
Name	OJ991206_11.0210.C6.o3.tw	Method	TBLASTX:Wheat
Start	14597	End	14899
GI	none	Score	373
Exons	14597..14899, 14599..14883		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37735	Strand	
Start	14900	End	15403
Name	OJ991206_11.0210.C6.o1.tw	Method	TBLASTX:Wheat
Start	14900	End	15403
GI	none	Score	621
Exons	14900..15403, 14932..15396		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6
Gene No.	37735	Strand	
Start	14900	End	15403
Name	OJ991206_11.0210.C6.o2.ts	Method	TBLASTX:Soybean
Start	14906	End	15151
GI	none	Score	207
Exons	14906..15151, 14908..15150		

Seq. No.	18014	Seq. ID	OJ991206_11.0210.C6

Gene No.	37735	Strand	
Start	14900	End	15403
Name	OJ991206_11.0210.C6.o1.tm	Method	TBLASTX:Maize
Start	14971	End	15334
GI	none	Score	482
Exons	14971..15321, 14972..15325, 14972..15334		

Seq. No.	18015	Seq. ID	OJ991206_11.0210.C7
Gene No.	37736	Strand	+
Start	1	End	1105
Name	OJ991206_11.0210.C7.o1.np	Method	AAT/NAP
Start	1	End	1102
GI	4680179	Score	1619
Exons	1..1102		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18015	Seq. ID	OJ991206_11.0210.C7
Gene No.	37736	Strand	+
Start	1	End	1105
Name	OJ991206_11.0210.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	139
GI	none	Score	189
Exons	2..139, 4..138		

Seq. No.	18015	Seq. ID	OJ991206_11.0210.C7
Gene No.	37736	Strand	+
Start	1	End	1105
Name	OJ991206_11.0210.C7.o2.tm	Method	TBLASTX:Maize
Start	2	End	229
GI	none	Score	304
Exons	2..229, 2..142, 4..225		

Seq. No.	18015	Seq. ID	OJ991206_11.0210.C7
Gene No.	37736	Strand	+
Start	1	End	1105
Name	OJ991206_11.0210.C7.o1.gs	Method	GENSCAN
Start	32	End	1105
GI	none	Score	.99
Exons	32..1105		

Seq. No.	18015	Seq. ID	OJ991206_11.0210.C7
Gene No.	37736	Strand	+
Start	1	End	1105
Name	OJ991206_11.0210.C7.o1.tw	Method	TBLASTX:Wheat
Start	98	End	724
GI	none	Score	711
Exons	98..724, 154..723		

Seq. No.	18015	Seq. ID	OJ991206_11.0210.C7
Gene No.	37736	Strand	+
Start	1	End	1105
Name	OJ991206_11.0210.C7.o1.tm	Method	TBLASTX:Maize
Start	278	End	877
GI	none	Score	231
Exons	278..439, 286..432, 436..861, 437..877		

Seq. No.	18015	Seq. ID	OJ991206_11.0210.C7

Gene No.	37736	Strand	+
Start	1	End	1105
Name	OJ991206_11.0210.C7.o2.tw	Method	TBLASTX:Wheat
Start	724	End	1057
GI	none	Score	320
Exons	724..993, 725..1057, 728..1036		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37737	Strand	+
Start	1	End	8331
Name	OJ991206_11.0210.C8.o1.np	Method	AAT/NAP
Start	1	End	7957
GI	4206306	Score	1221
Exons	1..21, 552..956, 1147..3069, 3271..3436, 6792..7957		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37737	Strand	+
Start	1	End	8331
Name	OJ991206_11.0210.C8.o1.gs	Method	GENSCAN
Start	554	End	8331
GI	none	Score	.41
Exons	554..737, 1057..2061, 2276..2369, 2445..2707, 2825..3250, 3882..4018, 4354..4466, 5899..6195, 7009..7741, 8155..8331		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37737	Strand	+
Start	1	End	8331
Name	OJ991206_11.0210.C8.o1.gp	Method	AAT/GAP
Start	3762	End	4255
GI	576771	Score	832
Exons	3762..4018, 4045..4255		
GI Descrip.	576771/gb\|U16256\|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37737	Strand	+
Start	1	End	8331
Name	OJ991206_11.0210.C8.o2.np	Method	AAT/NAP
Start	6805	End	7957
GI	4115365	Score	562
Exons	6805..7134, 7180..7957		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37738	Strand	+
Start	20805	End	22449
Name	OJ991206_11.0210.C8.o3.gs	Method	GENSCAN
Start	20805	End	22449
GI	none	Score	.53
Exons	20805..20810, 21409..21499, 22078..22181, 22222..22330, 22379..22449		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37739	Strand	+
Start	28945	End	30803

Name	OJ991206_11.0210.C8.o5.gs	Method	GENSCAN
Start	28945	End	30522
GI	none	Score	.86
Exons	28945..30522		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37739	Strand	+
Start	28945	End	30803
Name	OJ991206_11.0210.C8.o5.np	Method	AAT/NAP
Start	29470	End	30803
GI	5441880	Score	675
Exons	29470..30552, 30784..30803		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37740	Strand	-
Start	8134	End	22394
Name	OJ991206_11.0210.C8.o4.np	Method	AAT/NAP
Start	8134	End	22394
GI	5430769	Score	471
Exons	8134..8305, 9879..9952, 9989..10153, 10232..10415, 10498..10729, 10868..11078, 11213..11326, 18622..18828, 19441..19573, 20085..20201, 21888..22394		
GI Descrip.	(AC007504) Similar to somatic embryogenesis receptor-like kinase [Arabidopsis thaliana]		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37740	Strand	-
Start	8134	End	22394
Name	OJ991206_11.0210.C8.o2.gp	Method	AAT/GAP
Start	9744	End	10384
GI	15862_1.R1084	Score	1062
Exons	9744..10174, 10265..10384		
GI Descrip.	'576771/gb\|U16256\|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37740	Strand	-
Start	8134	End	22394
Name	OJ991206_11.0210.C8.o3.np	Method	AAT/NAP
Start	9801	End	20284
GI	6056374	Score	1903
Exons	9801..10174, 10265..10415, 10498..10725, 10864..11078, 11213..11331, 11417..11572, 11643..11841, 11910..12289, 12374..12428, 12526..12577, 12651..12716, 12811..12876, 12963..13066, 13174..13213, 13292..13386, 13443..13532, 13806..13875, 13960..14033, 14141..14212, 14540..14641, 14692..14766, 14953..15006, 20037..20284		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37740	Strand	-
Start	8134	End	22394
Name	OJ991206_11.0210.C8.o2.gs	Method	GENSCAN

Start	9812	End	20662
GI	none	Score	.57
Exons	9812..10174, 10265..10415, 10498..10729, 10868..11078, 11213..11331, 11414..11572, 11715..11841, 11910..12289, 12647..12716, 13139..13213, 14848..15024, 16896..16974, 18309..18487, 18729..18865, 19013..19301, 19921..20017, 20055..20265, 20566..20662		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37740	Strand	-
Start	8134	End	22394
Name	OJ991206_11.0210.C8.o3.gp	Method	AAT/GAP
Start	12039	End	12578
GI	60459_1.R1084	Score	680
Exons	12039..12289, 12374..12438, 12533..12578		
GI Descrip.	'6056372/gb\|AAF02836.1\|AC009894_7 2.0e-21 (AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]'		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o1.tw	Method	TBLASTX:Wheat
Start	1431	End	1840
GI	none	Score	602
Exons	1431..1838, 1445..1840, 1448..1771, 1753..1839		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o5.tm	Method	TBLASTX:Maize
Start	1491	End	1706
GI	none	Score	313
Exons	1491..1706, 1493..1705		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o1.tm	Method	TBLASTX:Maize
Start	1707	End	2166
GI	none	Score	613
Exons	1707..2165, 1707..1940, 1744..1959, 1826..2164, 2065..2166		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o4.ts	Method	TBLASTX:Soybean
Start	1854	End	2324
GI	none	Score	212
Exons	1854..2135, 1889..2143, 2176..2322, 2214..2324		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o8.tw	Method	TBLASTX:Wheat
Start	1857	End	2141
GI	none	Score	186

Exons	1857..2141		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o2.ts	Method	TBLASTX:Soybean
Start	2475	End	2892
GI	none	Score	72
Exons	2475..2603, 2475..2582, 2476..2613, 2649..2735, 2650..2892, 2775..2888		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o6.tw	Method	TBLASTX:Wheat
Start	2521	End	2955
GI	none	Score	79
Exons	2521..2610, 2664..2738, 2665..2955		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o7.tm	Method	TBLASTX:Maize
Start	6800	End	7126
GI	none	Score	190
Exons	6800..7126		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o6.ts	Method	TBLASTX:Soybean
Start	6980	End	7375
GI	none	Score	208
Exons	6980..7375, 7081..7257		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o5.tw	Method	TBLASTX:Wheat
Start	7526	End	7942
GI	none	Score	212
Exons	7526..7942		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o5.ts	Method	TBLASTX:Soybean
Start	7718	End	7995
GI	none	Score	210
Exons	7718..7963, 7720..7848, 7924..7995		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o4.tc	Method	TBLASTX:Cress
Start	9944	End	10178
GI	none	Score	66

Exons	9944..10174, 9956..10135, 9975..10178		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o3.tw	Method	TBLASTX:Wheat
Start	9950	End	10165
GI	none	Score	98
Exons	9950..10144, 9950..10165, 9966..10163		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o6.tm	Method	TBLASTX:Maize
Start	9974	End	10179
GI	none	Score	134
Exons	9974..10171, 9975..10172, 9985..10179, 9986..10177		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o1.ts	Method	TBLASTX:Soybean
Start	10013	End	11308
GI	none	Score	68
Exons	10013..10117, 10130..10174, 10289..10414, 10320..10406, 10497..10781, 10501..10785, 10866..11057, 11213..11308		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o1.tc	Method	TBLASTX:Cress
Start	10265	End	10709
GI	none	Score	112
Exons	10265..10414, 10266..10418, 10497..10679, 10497..10709, 10498..10707		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o2.tm	Method	TBLASTX:Maize
Start	10268	End	11573
GI	none	Score	125
Exons	10268..10414, 10269..10415, 10500..10712, 10500..10790, 10501..10740, 10866..11087, 10867..11079, 10867..11094, 11063..11101, 11211..11336, 11213..11341, 11415..11540, 11529..11573		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o4.tw	Method	TBLASTX:Wheat
Start	10319	End	10727
GI	none	Score	64
Exons	10319..10414, 10320..10415, 10500..10727, 10501..10623		
Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-

Start	24503	End	25663
Name	OJ991206_11.0210.C8.o3.tc	Method	TBLASTX:Cress
Start	10866	End	11236
GI	none	Score	169
Exons	10866..11087, 10867..11079, 10869..11087, 11213..11236		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o7.tw	Method	TBLASTX:Wheat
Start	10869	End	11084
GI	none	Score	97
Exons	10869..11084, 10936..11079		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o2.tc	Method	TBLASTX:Cress
Start	11642	End	12107
GI	none	Score	101
Exons	11642..11758, 11644..11841, 11645..11752, 11661..11765, 11864..11929, 11901..12107, 11904..12050, 11905..12081		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o3.ts	Method	TBLASTX:Soybean
Start	11644	End	12227
GI	none	Score	190
Exons	11644..11781, 11794..11841, 11910..12227		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o3.tm	Method	TBLASTX:Maize
Start	11677	End	12171
GI	none	Score	153
Exons	11677..11841, 11678..11842, 11908..12075, 11909..12136, 11910..12167, 11910..12167, 11911..12171		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37741	Strand	-
Start	24503	End	25663
Name	OJ991206_11.0210.C8.o4.gs	Method	GENSCAN
Start	24503	End	25663
GI	none	Score	.48
Exons	24503..24552, 25222..25285, 25565..25663		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37742	Strand	
Start	30039	End	30691
Name	OJ991206_11.0210.C8.o4.tm	Method	TBLASTX:Maize
Start	30039	End	30595
GI	none	Score	135
Exons	30039..30161, 30040..30192, 30192..30434, 30193..30468, 30515..30595, 30517..30543		

Seq. No.	18016	Seq. ID	OJ991206_11.0210.C8
Gene No.	37742	Strand	
Start	30039	End	30691
Name	OJ991206_11.0210.C8.o2.tw	Method	TBLASTX:Wheat
Start	30330	End	30691
GI	none	Score	142
Exons	30330..30485, 30331..30477, 30494..30691, 30502..30549, 30506..30595, 30528..30614		

Seq. No.	18017	Seq. ID	OJ991206_11.0210.C9
Gene No.	37743	Strand	+
Start	1	End	4703
Name	OJ991206_11.0210.C9.o1.np	Method	AAT/NAP
Start	1	End	3915
GI	5441880	Score	592
Exons	1..69, 141..410, 979..1152, 1259..1564, 2083..2383, 2482..2702, 3005..3261, 3670..3915		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18017	Seq. ID	OJ991206_11.0210.C9
Gene No.	37743	Strand	+
Start	1	End	4703
Name	OJ991206_11.0210.C9.o1.gs	Method	GENSCAN
Start	316	End	4703
GI	none	Score	.8
Exons	316..429, 983..1133, 1216..1984, 2077..2375, 2468..2735, 2990..3243, 3287..3414, 3622..3785, 4605..4703		

Seq. No.	18017	Seq. ID	OJ991206_11.0210.C9
Gene No.	37744	Strand	+
Start	6642	End	7236
Name	OJ991206_11.0210.C9.o2.gs	Method	GENSCAN
Start	6642	End	7236
GI	none	Score	.75
Exons	6642..6876, 6971..7236		

Seq. No.	18017	Seq. ID	OJ991206_11.0210.C9
Gene No.	37744	Strand	+
Start	6642	End	7236
Name	OJ991206_11.0210.C9.o2.np	Method	AAT/NAP
Start	6721	End	7227
GI	6691485	Score	200
Exons	6721..7227		
GI Descrip.	(AB032198) gibberellin 3beta-hydroxylase [Nicotiana tabacum]		

Seq. No.	18017	Seq. ID	OJ991206_11.0210.C9
Gene No.	37745	Strand	-
Start	8007	End	8201
Name	OJ991206_11.0210.C9.o1.tw	Method	TBLASTX:Wheat
Start	1298	End	1627
GI	none	Score	92
Exons	1298..1351, 1301..1354, 1360..1488, 1361..1489, 1523..1558, 1595..1627		

Seq. No.	18017	Seq. ID	OJ991206_11.0210.C9

Gene No.	37745	Strand	-
Start	8007	End	8201
Name	OJ991206_11.0210.C9.o3.gs	Method	GENSCAN
Start	8007	End	8201
GI	none	Score	.45
Exons	8007..8201		

Seq. No.	18018	Seq. ID	OJ991206_11.0210.C10
Gene No.	37746	Strand	+
Start	4146	End	4351
Name	OJ991206_11.0210.C10.o2.np	Method	AAT/NAP
Start	4146	End	4351
GI	4680186	Score	208
Exons	4146..4351		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18018	Seq. ID	OJ991206_11.0210.C10
Gene No.	37747	Strand	-
Start	1	End	2674
Name	OJ991206_11.0210.C10.o1.np	Method	AAT/NAP
Start	1	End	2674
GI	4680179	Score	582
Exons	1..27, 411..489, 1416..1647, 1816..2674		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18018	Seq. ID	OJ991206_11.0210.C10
Gene No.	37748	Strand	-
Start	3907	End	4279
Name	OJ991206_11.0210.C10.o1.gp	Method	AAT/GAP
Start	3907	End	4279
GI	uC-osflcyp033a04b1	Score	512
Exons	3907..4279		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18018	Seq. ID	OJ991206_11.0210.C10
Gene No.	37749	Strand	-
Start	4742	End	6836
Name	OJ991206_11.0210.C10.o2.tw	Method	TBLASTX:Wheat
Start	1836	End	2132
GI	none	Score	208
Exons	1836..2132		

Seq. No.	18018	Seq. ID	OJ991206_11.0210.C10
Gene No.	37749	Strand	-
Start	4742	End	6836
Name	OJ991206_11.0210.C10.o1.tw	Method	TBLASTX:Wheat
Start	2138	End	2431
GI	none	Score	139
Exons	2138..2431, 2139..2429		

Seq. No.	18018	Seq. ID	OJ991206_11.0210.C10
Gene No.	37749	Strand	-
Start	4742	End	6836
Name	OJ991206_11.0210.C10.o2.gs	Method	GENSCAN
Start	4742	End	6681
GI	none	Score	.6

Exons	4742..4846, 5399..6354, 6360..6681		
Seq. No.	18018	Seq. ID	OJ991206_11.0210.C10
Gene No.	37749	Strand	-
Start	4742	End	6836
Name	OJ991206_11.0210.C10.o3.np	Method	AAT/NAP
Start	4745	End	6836
GI	6907087	Score	1242
Exons	4745..4846, 5399..6089, 6462..6836		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	18019	Seq. ID	OJ991206_11.0210.C11
Gene No.	37750	Strand	+
Start	284	End	602
Name	OJ991206_11.0210.C11.o1.gs	Method	GENSCAN
Start	284	End	602
GI	none	Score	.48
Exons	284..398, 547..602		
Seq. No.	18020	Seq. ID	OJ991206_11.0210.C12
Gene No.	37751	Strand	-
Start	1	End	1413
Name	OJ991206_11.0210.C12.o1.np	Method	AAT/NAP
Start	1	End	1413
GI	5295955	Score	188
Exons	1..31, 505..619, 1159..1248, 1383..1413		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	18020	Seq. ID	OJ991206_11.0210.C12
Gene No.	37751	Strand	-
Start	1	End	1413
Name	OJ991206_11.0210.C12.o1.gs	Method	GENSCAN
Start	505	End	1248
GI	none	Score	.41
Exons	505..659, 1091..1248		
Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37752	Strand	+
Start	26	End	5552
Name	OJ991206_11.0210.C13.o1.gs	Method	GENSCAN
Start	26	End	5552
GI	none	Score	.87
Exons	26..758, 797..813, 1049..2621, 2647..5552		
Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37752	Strand	+
Start	26	End	5552
Name	OJ991206_11.0210.C13.o1.gp	Method	AAT/GAP
Start	268	End	722
GI	95437_1.R1084	Score	774
Exons	268..722		
GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37752	Strand	+
Start	26	End	5552
Name	OJ991206_11.0210.C13.o1.np	Method	AAT/NAP
Start	1049	End	5549
GI	4680179	Score	5423
Exons	1049..2116, 2150..5549		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37753	Strand	+
Start	6177	End	15482
Name	OJ991206_11.0210.C13.o2.gs	Method	GENSCAN
Start	6177	End	15482
GI	none	Score	.47
Exons	6177..6550, 6682..6853, 7606..7678, 9434..9593, 10252..10470, 11923..12058, 12628..12876, 13176..13312, 14085..14221, 14628..14734, 15276..15482		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37753	Strand	+
Start	6177	End	15482
Name	OJ991206_11.0210.C13.o3.np	Method	AAT/NAP
Start	6571	End	13466
GI	3970689	Score	484
Exons	6571..6624, 9195..9593, 10252..10470, 11923..12058, 12628..12881, 13184..13466		
GI Descrip.	(Y18484) (+)-delta-cadinene synthase [Gossypium arboreum]		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37753	Strand	+
Start	6177	End	15482
Name	OJ991206_11.0210.C13.o2.gp	Method	AAT/GAP
Start	7629	End	8014
GI	uC-osf1cyp033a04b1	Score	629
Exons	7629..8014		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o10.tw	Method	TBLASTX:Wheat
Start	1128	End	1471
GI	none	Score	206
Exons	1128..1160, 1271..1468, 1273..1470, 1379..1471		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o7.tw	Method	TBLASTX:Wheat
Start	1504	End	1855
GI	none	Score	275
Exons	1504..1698, 1520..1855		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13

Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o6.tm	Method	TBLASTX:Maize
Start	1519	End	1810
GI	none	Score	230
Exons	1519..1683, 1520..1810		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o9.tm	Method	TBLASTX:Maize
Start	2171	End	2496
GI	none	Score	188
Exons	2171..2494, 2233..2310, 2404..2496		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o8.tw	Method	TBLASTX:Wheat
Start	2177	End	2599
GI	none	Score	166
Exons	2177..2386, 2233..2385, 2431..2544, 2432..2599		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o4.tw	Method	TBLASTX:Wheat
Start	2712	End	3194
GI	none	Score	52
Exons	2712..2762, 2816..3151, 2817..3194, 2826..3191		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o5.tm	Method	TBLASTX:Maize
Start	2724	End	3013
GI	none	Score	276
Exons	2724..3011, 2822..3013		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o3.tm	Method	TBLASTX:Maize
Start	3081	End	3581
GI	none	Score	164
Exons	3081..3260, 3089..3235, 3267..3581, 3332..3460, 3488..3538		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o1.ts	Method	TBLASTX:Soybean
Start	3135	End	3530
GI	none	Score	57
Exons	3135..3167, 3137..3166, 3171..3530, 3173..3529		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-

Start	7562	End	8654
Name	OJ991206_11.0210.C13.o5.tw	Method	TBLASTX:Wheat
Start	3243	End	3545
GI	none	Score	381
Exons	3243..3545, 3245..3529		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o3.tw	Method	TBLASTX:Wheat
Start	3546	End	3968
GI	none	Score	598
Exons	3546..3968, 3578..3967		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o3.ts	Method	TBLASTX:Soybean
Start	3552	End	3797
GI	none	Score	207
Exons	3552..3797, 3569..3697		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o2.tm	Method	TBLASTX:Maize
Start	3617	End	3980
GI	none	Score	482
Exons	3617..3967, 3618..3971, 3618..3980		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o2.tw	Method	TBLASTX:Wheat
Start	3971	End	4538
GI	none	Score	652
Exons	3971..4537, 4002..4538		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o1.tc	Method	TBLASTX:Cress
Start	4245	End	4562
GI	none	Score	90
Exons	4245..4418, 4419..4562, 4421..4561		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o2.ts	Method	TBLASTX:Soybean
Start	4326	End	4586
GI	none	Score	296
Exons	4326..4586, 4331..4585		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654

Name	OJ991206_11.0210.C13.o4.tm	Method	TBLASTX:Maize
Start	4385	End	4676
GI	none	Score	373
Exons	4385..4672, 4386..4676		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o1.tw	Method	TBLASTX:Wheat
Start	4545	End	5171
GI	none	Score	708
Exons	4545..5171, 4601..5170		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o1.tm	Method	TBLASTX:Maize
Start	4725	End	5309
GI	none	Score	231
Exons	4725..4886, 4733..4879, 4883..5308, 4884..5309		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o6.tw	Method	TBLASTX:Wheat
Start	5171	End	5504
GI	none	Score	324
Exons	5171..5440, 5172..5504, 5175..5483		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37754	Strand	-
Start	7562	End	8654
Name	OJ991206_11.0210.C13.o2.np	Method	AAT/NAP
Start	7562	End	8654
GI	4680186	Score	331
Exons	7562..7763, 8599..8654		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37755	Strand	
Start	9325	End	10471
Name	OJ991206_11.0210.C13.o8.tm	Method	TBLASTX:Maize
Start	9325	End	10471
GI	none	Score	204
Exons	9325..9591, 10253..10471, 10253..10468		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13
Gene No.	37756	Strand	
Start	11939	End	13478
Name	OJ991206_11.0210.C13.o7.tm	Method	TBLASTX:Maize
Start	11939	End	13453
GI	none	Score	84
Exons	11939..12037, 12627..12695, 12627..12707, 12628..12876, 12628..12717, 12759..12890, 12791..12892, 13185..13451, 13187..13453		

Seq. No.	18021	Seq. ID	OJ991206_11.0210.C13

Gene No.	37756	Strand	
Start	11939	End	13478
Name	OJ991206_11.0210.C13.o9.tw	Method	TBLASTX:Wheat
Start	12823	End	13478
GI	none	Score	61
Exons	12823..12918, 13185..13322, 13190..13333, 13326..13478, 13328..13465, 13332..13469		

Seq. No.	18022	Seq. ID	OJ991206_11.0210.C14
Gene No.	37757	Strand	+
Start	1	End	1944
Name	OJ991206_11.0210.C14.o1.np	Method	AAT/NAP
Start	1	End	1944
GI	5902445	Score	2583
Exons	1..1944		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	18022	Seq. ID	OJ991206_11.0210.C14
Gene No.	37757	Strand	+
Start	1	End	1944
Name	OJ991206_11.0210.C14.o1.tm	Method	TBLASTX:Maize
Start	3	End	350
GI	none	Score	313
Exons	3..350, 5..349		

Seq. No.	18022	Seq. ID	OJ991206_11.0210.C14
Gene No.	37757	Strand	+
Start	1	End	1944
Name	OJ991206_11.0210.C14.o1.tw	Method	TBLASTX:Wheat
Start	24	End	448
GI	none	Score	440
Exons	24..443, 68..448		

Seq. No.	18022	Seq. ID	OJ991206_11.0210.C14
Gene No.	37757	Strand	+
Start	1	End	1944
Name	OJ991206_11.0210.C14.o1.ts	Method	TBLASTX:Soybean
Start	102	End	469
GI	none	Score	296
Exons	102..458, 119..262, 141..416, 299..469		

Seq. No.	18022	Seq. ID	OJ991206_11.0210.C14
Gene No.	37757	Strand	+
Start	1	End	1944
Name	OJ991206_11.0210.C14.o2.tw	Method	TBLASTX:Wheat
Start	611	End	1019
GI	none	Score	237
Exons	611..856, 612..842, 872..1018, 873..1019		

Seq. No.	18022	Seq. ID	OJ991206_11.0210.C14
Gene No.	37757	Strand	+
Start	1	End	1944
Name	OJ991206_11.0210.C14.o2.ts	Method	TBLASTX:Soybean
Start	729	End	1117
GI	none	Score	86
Exons	729..827, 737..1117, 885..1115		

Seq. No.	18022	Seq. ID	OJ991206_11.0210.C14
Gene No.	37757	Strand	+
Start	1	End	1944
Name	OJ991206_11.0210.C14.o3.tm	Method	TBLASTX:Maize
Start	990	End	1244
GI	none	Score	179
Exons	990..1244, 998..1105		

Seq. No.	18022	Seq. ID	OJ991206_11.0210.C14
Gene No.	37757	Strand	+
Start	1	End	1944
Name	OJ991206_11.0210.C14.o3.tw	Method	TBLASTX:Wheat
Start	1020	End	1337
GI	none	Score	283
Exons	1020..1337, 1028..1141		

Seq. No.	18022	Seq. ID	OJ991206_11.0210.C14
Gene No.	37757	Strand	+
Start	1	End	1944
Name	OJ991206_11.0210.C14.o2.tm	Method	TBLASTX:Maize
Start	1368	End	1601
GI	none	Score	179
Exons	1368..1601		

Seq. No.	18022	Seq. ID	OJ991206_11.0210.C14
Gene No.	37757	Strand	+
Start	1	End	1944
Name	OJ991206_11.0210.C14.o4.tw	Method	TBLASTX:Wheat
Start	1368	End	1604
GI	none	Score	172
Exons	1368..1604		

Seq. No.	18023	Seq. ID	OJ991216_10.0211.C2
Gene No.	37758	Strand	+
Start	1	End	1722
Name	OJ991216_10.0211.C2.o1.np	Method	AAT/NAP
Start	1	End	1247
GI	6729532	Score	308
Exons	1..194, 498..620, 1101..1247		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	18023	Seq. ID	OJ991216_10.0211.C2
Gene No.	37758	Strand	+
Start	1	End	1722
Name	OJ991216_10.0211.C2.o1.tm	Method	TBLASTX:Maize
Start	2	End	623
GI	none	Score	91
Exons	2..109, 2..181, 3..188, 7..195, 528..551, 549..623		

Seq. No.	18023	Seq. ID	OJ991216_10.0211.C2
Gene No.	37758	Strand	+
Start	1	End	1722
Name	OJ991216_10.0211.C2.o1.tc	Method	TBLASTX:Cress
Start	3	End	1211
GI	none	Score	204
Exons	3..206, 8..181, 528..611, 1101..1211		

Seq. No.	18023	Seq. ID	OJ991216_10.0211.C2
Gene No.	37758	Strand	+
Start	1	End	1722
Name	OJ991216_10.0211.C2.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1211
GI	none	Score	243
Exons	3..188, 10..147, 11..181, 521..619, 528..617, 1110..1211		

Seq. No.	18023	Seq. ID	OJ991216_10.0211.C2
Gene No.	37758	Strand	+
Start	1	End	1722
Name	OJ991216_10.0211.C2.o1.gp	Method	AAT/GAP
Start	138	End	1722
GI	uC-osflcyp169f05b1	Score	450
Exons	138..185, 528..620, 1101..1212, 1675..1722		
GI Descrip.	'287938/emb\|X54204\|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	18023	Seq. ID	OJ991216_10.0211.C2
Gene No.	37758	Strand	+
Start	1	End	1722
Name	OJ991216_10.0211.C2.o1.gs	Method	GENSCAN
Start	528	End	1303
GI	none	Score	.67
Exons	528..620, 1059..1212, 1275..1303		

Seq. No.	18024	Seq. ID	OJ991216_10.0211.C3
Gene No.	37759	Strand	+
Start	3	End	2160
Name	OJ991216_10.0211.C3.o1.gs	Method	GENSCAN
Start	3	End	2160
GI	none	Score	.52
Exons	3..68, 594..720, 2084..2160		

Seq. No.	18024	Seq. ID	OJ991216_10.0211.C3
Gene No.	37759	Strand	+
Start	3	End	2160
Name	OJ991216_10.0211.C3.o1.gp	Method	AAT/GAP
Start	594	End	869
GI	uC-osflcyp169f05b1	Score	484
Exons	594..869		
GI Descrip.	'287938/emb\|X54204\|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	18024	Seq. ID	OJ991216_10.0211.C3
Gene No.	37760	Strand	-
Start	4765	End	4773
Name	OJ991216_10.0211.C3.o2.gs	Method	GENSCAN
Start	4765	End	4773
GI	none	Score	.79
Exons	4765..4773		

Seq. No.	18025	Seq. ID	OJ991216_10.0211.C4
Gene No.	37761	Strand	-
Start	1984	End	2118
Name	OJ991216_10.0211.C4.o1.gs	Method	GENSCAN
Start	1984	End	2118

GI	none	Score	.73
Exons	1984..2118		

Seq. No.	18026	Seq. ID	OJ991216_10.0211.C5
Gene No.	37762	Strand	-
Start	1360	End	1492
Name	OJ991216_10.0211.C5.o1.gs	Method	GENSCAN
Start	1360	End	1492
GI	none	Score	.98
Exons	1360..1492		

Seq. No.	18027	Seq. ID	OJ991216_10.0211.C6
Gene No.	37763	Strand	+
Start	335	End	5321
Name	OJ991216_10.0211.C6.o1.gs	Method	GENSCAN
Start	335	End	5262
GI	none	Score	.51
Exons	335..488, 575..702, 2847..2982, 4207..4567, 4663..4928, 5004..5262		

Seq. No.	18027	Seq. ID	OJ991216_10.0211.C6
Gene No.	37763	Strand	+
Start	335	End	5321
Name	OJ991216_10.0211.C6.o1.gp	Method	AAT/GAP
Start	4101	End	4733
GI	4715031	Score	888
Exons	4101..4567, 4661..4733		

Seq. No.	18027	Seq. ID	OJ991216_10.0211.C6
Gene No.	37763	Strand	+
Start	335	End	5321
Name	OJ991216_10.0211.C6.o1.np	Method	AAT/NAP
Start	4217	End	5321
GI	1853970	Score	533
Exons	4217..4567, 4663..4928, 5025..5321		
GI Descrip.	(D88122) CPRD46 protein [Vigna unguiculata]		

Seq. No.	18027	Seq. ID	OJ991216_10.0211.C6
Gene No.	37763	Strand	+
Start	335	End	5321
Name	OJ991216_10.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	4378	End	5258
GI	none	Score	177
Exons	4378..4563, 4592..4840, 4593..4841, 4845..4928, 4850..4927, 5016..5213, 5024..5062, 5202..5258		

Seq. No.	18027	Seq. ID	OJ991216_10.0211.C6
Gene No.	37763	Strand	+
Start	335	End	5321
Name	OJ991216_10.0211.C6.o1.tc	Method	TBLASTX:Cress
Start	4489	End	5258
GI	none	Score	74
Exons	4489..4563, 4718..4813, 4719..4820, 4851..4928, 5016..5111, 5106..5258, 5180..5245		

Seq. No.	18027	Seq. ID	OJ991216_10.0211.C6
Gene No.	37763	Strand	+

Start	335	End	5321
Name	OJ991216_10.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	4498	End	5246
GI	none	Score	77
Exons	4498..4566, 4725..4826, 4845..4928, 5016..5213, 5202..5246		

Seq. No.	18027	Seq. ID	OJ991216_10.0211.C6
Gene No.	37763	Strand	+
Start	335	End	5321
Name	OJ991216_10.0211.C6.o2.gp	Method	AAT/GAP
Start	4811	End	5103
GI	LIB3432-010-P1-K1-D4	Score	348
Exons	4811..4928, 5025..5103		
GI Descrip.	'1495802/emb\|CAA65268\| 1.0e-16 (X96405) 13-lipoxygenase [Solanum tuberosum]'		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37764	Strand	+
Start	301	End	4354
Name	OJ991216_10.0211.C7.o1.np	Method	AAT/NAP
Start	301	End	4351
GI	1495802	Score	1943
Exons	301..523, 578..683, 1069..1154, 2921..4351		
GI Descrip.	(X96405) 13-lipoxygenase [Solanum tuberosum]		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37764	Strand	+
Start	301	End	4354
Name	OJ991216_10.0211.C7.o1.gs	Method	GENSCAN
Start	377	End	1238
GI	none	Score	.91
Exons	377..683, 1069..1238		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37764	Strand	+
Start	301	End	4354
Name	OJ991216_10.0211.C7.o2.gs	Method	GENSCAN
Start	2897	End	4354
GI	none	Score	1
Exons	2897..4354		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37765	Strand	-
Start	4126	End	4636
Name	OJ991216_10.0211.C7.o1.gp	Method	AAT/GAP
Start	4126	End	4636
GI	1654_1.R1084	Score	995
Exons	4126..4636		
GI Descrip.	'5441896/dbj\|BAA82394.1\| 4.0e-30 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]'		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o1.tm	Method	TBLASTX:Maize

Start	304	End	4356
GI	none	Score	185
Exons	304..408, 305..457, 440..523, 469..522, 470..523, 604..681, 605..685, 1070..1162, 1071..1163, 2920..2988, 2921..3007, 3014..3967, 3019..3069, 3127..3558, 3233..3706, 3640..3987, 3997..4353, 4037..4354, 4262..4354, 4318..4356		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o3.ts	Method	TBLASTX:Soybean
Start	317	End	3028
GI	none	Score	188
Exons	317..517, 596..670, 1070..1162, 1071..1163, 2914..3027, 2915..3028		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o1.tc	Method	TBLASTX:Cress
Start	329	End	4354
GI	none	Score	142
Exons	329..517, 605..685, 1041..1163, 1043..1162, 2914..3033, 2915..3631, 3130..3558, 3632..3967, 3793..4353, 4034..4354		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	3029	End	4354
GI	none	Score	221
Exons	3029..3235, 3127..3234, 3251..3613, 3253..3543, 3260..3625, 3632..3967, 3640..3711, 3790..4350, 4037..4354		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o1.tw	Method	TBLASTX:Wheat
Start	3122	End	3547
GI	none	Score	80
Exons	3122..3199, 3130..3261, 3266..3547, 3269..3547		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o2.tw	Method	TBLASTX:Wheat
Start	3608	End	3925
GI	none	Score	190
Exons	3608..3703, 3620..3820, 3814..3924, 3815..3925		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o2.gp	Method	AAT/GAP
Start	4866	End	5269
GI	2317427	Score	733
Exons	4866..5269		

GI Descrip. 5441896/dbj|BAA82394.1| 4.0e-30 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o2.np	Method	AAT/NAP
Start	4990	End	8022
GI	5441896	Score	2120
Exons	4990..5269, 5375..5520, 5756..5936, 6004..6143, 6843..6984, 7160..7431, 7861..8022		
GI Descrip.	(AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o3.gs	Method	GENSCAN
Start	5085	End	8114
GI	none	Score	.82
Exons	5085..5191, 5352..5520, 5780..5936, 6004..6163, 6380..6402, 7160..7431, 7861..8114		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o2.ts	Method	TBLASTX:Soybean
Start	5440	End	7434
GI	none	Score	66
Exons	5440..5526, 5780..5944, 5967..6161, 6867..6983, 6879..6977, 7150..7434, 7151..7426		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o3.gp	Method	AAT/GAP
Start	5464	End	6926
GI	uC-osroM202025h03b1	Score	724
Exons	5464..5520, 5780..5936, 6004..6143, 6843..6926		
GI Descrip.	'5441896/dbj\|BAA82394.1\| 3.0e-57 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]'		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7
Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o2.tm	Method	TBLASTX:Maize
Start	5780	End	8049
GI	none	Score	136
Exons	5780..5944, 6006..6161, 6867..6983, 7150..7434, 7151..7432, 7858..8049, 7859..7945		

Seq. No.	18028	Seq. ID	OJ991216_10.0211.C7

Gene No.	37766	Strand	-
Start	5085	End	8114
Name	OJ991216_10.0211.C7.o2.tc	Method	TBLASTX:Cress
Start	6879	End	7978
GI	none	Score	126
Exons	6879..6983, 7150..7434, 7151..7432, 7858..7968, 7859..7978		

Seq. No.	18029	Seq. ID	OJ991216_10.0211.C8
Gene No.	37767	Strand	+
Start	6639	End	10063
Name	OJ991216_10.0211.C8.o1.np	Method	AAT/NAP
Start	6639	End	10063
GI	5441895	Score	1869
Exons	6639..6932, 7162..7191, 9252..10063		
GI Descrip.	(AP000367) EST C96716(C10608) corresponds to a region of the predicted gene.; Similar to putative receptor protein kinase. (AC002334) [Oryza sativa]		

Seq. No.	18029	Seq. ID	OJ991216_10.0211.C8
Gene No.	37767	Strand	+
Start	6639	End	10063
Name	OJ991216_10.0211.C8.o2.gs	Method	GENSCAN
Start	6639	End	9974
GI	none	Score	.48
Exons	6639..6932, 7162..7191, 9252..9974		

Seq. No.	18029	Seq. ID	OJ991216_10.0211.C8
Gene No.	37768	Strand	-
Start	168	End	10063
Name	OJ991216_10.0211.C8.o1.gs	Method	GENSCAN
Start	168	End	5418
GI	none	Score	.62
Exons	168..481, 942..1013, 1705..1776, 1876..1981, 2280..2372, 2813..3116, 3163..3265, 4680..4780, 5257..5418		

Seq. No.	18029	Seq. ID	OJ991216_10.0211.C8
Gene No.	37768	Strand	-
Start	168	End	10063
Name	OJ991216_10.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	941	End	10063
GI	none	Score	268
Exons	941..1012, 9426..9998, 9432..10061, 9447..9914, 9453..10058, 9495..10061, 9522..9683, 9545..9628, 9690..10058, 9695..9919, 9755..9994, 9761..9919, 9795..10061, 9899..10063, 9936..9992, 9951..10061		

Seq. No.	18029	Seq. ID	OJ991216_10.0211.C8
Gene No.	37768	Strand	-
Start	168	End	10063
Name	OJ991216_10.0211.C8.o1.tw	Method	TBLASTX:Wheat
Start	9327	End	10061
GI	none	Score	63
Exons	9327..9425, 9438..9752, 9591..9902, 9669..9974, 9735..10046, 9746..9979, 9758..9907, 9807..10061, 9864..10058, 9866..10057, 9942..10061		

Seq. No.	18029	Seq. ID	OJ991216_10.0211.C8

Gene No.	37768	Strand	-
Start	168	End	10063
Name	OJ991216_10.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	9435	End	10061
GI	none	Score	143
Exons	9435..9764, 9438..10061, 9447..9986, 9447..9701, 9483..10058, 9504..10061, 9573..10061		

Seq. No.	18029	Seq. ID	OJ991216_10.0211.C8
Gene No.	37768	Strand	-
Start	168	End	10063
Name	OJ991216_10.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	9438	End	10061
GI	none	Score	255
Exons	9438..10040, 9519..10058, 9591..10061, 9758..9919, 9761..10051		

Seq. No.	18030	Seq. ID	OJ991216_10.0211.C9
Gene No.	37769	Strand	+
Start	1	End	2950
Name	OJ991216_10.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	2947
GI	5441895	Score	5075
Exons	1..2947		
GI Descrip.	(AP000367) EST C96716(C10608) corresponds to a region of the predicted gene.; Similar to putative receptor protein kinase. (AC002334) [Oryza sativa]		

Seq. No.	18030	Seq. ID	OJ991216_10.0211.C9
Gene No.	37769	Strand	+
Start	1	End	2950
Name	OJ991216_10.0211.C9.o1.gs	Method	GENSCAN
Start	3	End	2950
GI	none	Score	.71
Exons	3..2415, 2436..2950		

Seq. No.	18030	Seq. ID	OJ991216_10.0211.C9
Gene No.	37769	Strand	+
Start	1	End	2950
Name	OJ991216_10.0211.C9.o2.tm	Method	TBLASTX:Maize
Start	9	End	1640
GI	none	Score	96
Exons	9..191, 17..190, 18..191, 23..271, 27..254, 159..254, 159..254, 246..461, 270..464, 291..461, 294..461, 294..746, 294..464, 351..467, 365..496, 501..899, 507..890, 507..692, 564..836, 564..899, 590..817, 624..890, 630..902, 636..890, 662..889, 886..951, 909..1088, 951..1124, 960..1082, 975..1121, 1233..1289, 1233..1361, 1236..1361, 1239..1382, 1242..1382, 1251..1361, 1398..1601, 1410..1526, 1419..1589, 1467..1640		

Seq. No.	18030	Seq. ID	OJ991216_10.0211.C9
Gene No.	37769	Strand	+
Start	1	End	2950
Name	OJ991216_10.0211.C9.o2.ts	Method	TBLASTX:Soybean
Start	21	End	1655
GI	none	Score	129
Exons	21..254, 21..254, 24..110, 27..110, 63..254, 159..272, 270..461, 288..467, 294..392, 294..464, 501..890, 501..776, 507..845,		

507..707, 507..899, 507..890, 579..890, 597..716, 627..899,
669..800, 723..899, 909..1121, 909..1121, 960..1097, 960..1121,
960..1121, 960..1121, 1008..1121, 1212..1361, 1233..1361,
1236..1361, 1251..1361, 1252..1290, 1398..1655, 1398..1601,
1410..1652, 1419..1589, 1422..1589, 1422..1589, 1542..1652

Seq. No.	18030	Seq. ID	OJ991216_10.0211.C9
Gene No.	37769	Strand	+
Start	1	End	2950
Name	OJ991216_10.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	23	End	2887
GI	none	Score	70
Exons	23..106, 27..107, 618..815, 1410..1586, 1962..2120, 2166..2324, 2357..2629, 2503..2616, 2687..2773, 2783..2887		

Seq. No.	18030	Seq. ID	OJ991216_10.0211.C9
Gene No.	37769	Strand	+
Start	1	End	2950
Name	OJ991216_10.0211.C9.o2.tc	Method	TBLASTX:Cress
Start	159	End	1367
GI	none	Score	69
Exons	159..254, 255..464, 255..461, 264..464, 501..617, 912..1121, 939..1124, 946..1137, 1230..1358, 1233..1361, 1233..1367		

Seq. No.	18030	Seq. ID	OJ991216_10.0211.C9
Gene No.	37769	Strand	+
Start	1	End	2950
Name	OJ991216_10.0211.C9.o3.tm	Method	TBLASTX:Maize
Start	1929	End	2123
GI	none	Score	250
Exons	1929..2099, 1935..2123, 1943..2116		

Seq. No.	18030	Seq. ID	OJ991216_10.0211.C9
Gene No.	37769	Strand	+
Start	1	End	2950
Name	OJ991216_10.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	1959	End	2890
GI	none	Score	114
Exons	1959..2120, 1961..2113, 2166..2288, 2171..2266, 2357..2509, 2371..2508, 2509..2643, 2510..2647, 2684..2713, 2786..2890		

Seq. No.	18030	Seq. ID	OJ991216_10.0211.C9
Gene No.	37769	Strand	+
Start	1	End	2950
Name	OJ991216_10.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	2166	End	2863
GI	none	Score	151
Exons	2166..2288, 2171..2266, 2357..2509, 2371..2508, 2510..2647, 2510..2617, 2515..2643, 2681..2713, 2801..2863		

Seq. No.	18030	Seq. ID	OJ991216_10.0211.C9
Gene No.	37769	Strand	+
Start	1	End	2950
Name	OJ991216_10.0211.C9.o1.tw	Method	TBLASTX:Wheat
Start	2360	End	2635
GI	none	Score	279
Exons	2360..2635, 2401..2634		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37770	Strand	+
Start	199	End	3396
Name	OJ991216_10.0211.C10.o1.gs	Method	GENSCAN
Start	199	End	3124
GI	none	Score	.66
Exons	199..304, 402..521, 1384..1610, 2081..2297, 2400..2491, 2876..3124		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37770	Strand	+
Start	199	End	3396
Name	OJ991216_10.0211.C10.o1.np	Method	AAT/NAP
Start	199	End	3121
GI	5441894	Score	821
Exons	199..304, 402..482, 2400..2491, 2876..3121		
GI Descrip.	(AP000367) EST AU030111(E50640) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37770	Strand	+
Start	199	End	3396
Name	OJ991216_10.0211.C10.o1.gp	Method	AAT/GAP
Start	2972	End	3396
GI	84850_1.R1084	Score	785
Exons	2972..3396		
GI Descrip.	'5441894/dbj\|BAA82392.1\| 6.0e-22 (AP000367) EST AU030111(E50640) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37771	Strand	+
Start	3743	End	4315
Name	OJ991216_10.0211.C10.o2.gp	Method	AAT/GAP
Start	3743	End	4315
GI	51043_1.R1084	Score	1050
Exons	3743..4315		
GI Descrip.	'5441893/dbj\|BAA82391.1\| 2.0e-19 (AP000367) ESTs C99174(E10437),D22295(C10709) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC005314) [Oryza sativa]'		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37772	Strand	-
Start	4028	End	5259
Name	OJ991216_10.0211.C10.o2.tm	Method	TBLASTX:Maize
Start	1190	End	2191
GI	none	Score	290
Exons	1190..1408, 1192..1407, 1511..1615, 1514..1606, 1518..1616, 2078..2191, 2080..2190		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37772	Strand	-
Start	4028	End	5259
Name	OJ991216_10.0211.C10.o2.tw	Method	TBLASTX:Wheat
Start	1562	End	2494

GI	none	Score	70
Exons	1562..1615, 1566..1631, 2080..2298, 2108..2296, 2131..2298, 2402..2494, 2434..2487		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37772	Strand	-
Start	4028	End	5259
Name	OJ991216_10.0211.C10.o3.tm	Method	TBLASTX:Maize
Start	2191	End	2968
GI	none	Score	137
Exons	2191..2286, 2192..2287, 2402..2494, 2429..2491, 2434..2493, 2870..2962, 2873..2968		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37772	Strand	-
Start	4028	End	5259
Name	OJ991216_10.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	4011	End	4808
GI	none	Score	62
Exons	4011..4109, 4034..4108, 4040..4138, 4041..4142, 4054..4149, 4062..4148, 4190..4432, 4205..4435, 4218..4463, 4492..4590, 4533..4658, 4533..4736, 4538..4801, 4538..4591, 4559..4630, 4731..4808		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37772	Strand	-
Start	4028	End	5259
Name	OJ991216_10.0211.C10.o2.gs	Method	GENSCAN
Start	4028	End	4723
GI	none	Score	.52
Exons	4028..4437, 4558..4723		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37772	Strand	-
Start	4028	End	5259
Name	OJ991216_10.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	4031	End	4808
GI	none	Score	67
Exons	4031..4132, 4034..4138, 4035..4142, 4035..4142, 4037..4108, 4038..4115, 4193..4432, 4209..4481, 4248..4442, 4536..4646, 4538..4645, 4547..4591, 4559..4630, 4688..4801, 4713..4808, 4757..4801		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37772	Strand	-
Start	4028	End	5259
Name	OJ991216_10.0211.C10.o2.np	Method	AAT/NAP
Start	4031	End	5259
GI	5441893	Score	1372
Exons	4031..4802, 5132..5259		
GI Descrip.	(AP000367) ESTs C99174(E10437),D22295(C10709) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC005314) [Oryza sativa]		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37772	Strand	-
Start	4028	End	5259

Name	OJ991216_10.0211.C10.o1.tw	Method	TBLASTX:Wheat
Start	4043	End	4808
GI	none	Score	258
Exons	4043..4108, 4064..4111, 4478..4792, 4531..4728, 4538..4801, 4559..4630, 4713..4808		

Seq. No.	18031	Seq. ID	OJ991216_10.0211.C10
Gene No.	37772	Strand	-
Start	4028	End	5259
Name	OJ991216_10.0211.C10.o3.gp	Method	AAT/GAP
Start	4325	End	4808
GI	51042_1.R1084	Score	812
Exons	4325..4808		
GI Descrip.	'5441893/dbj\|BAA82391.1\| 3.0e-42 (AP000367) ESTs C99174(E10437),D22295(C10709) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC005314) [Oryza sativa]'		

Seq. No.	18032	Seq. ID	OJ991216_10.0211.C11
Gene No.	37773	Strand	-
Start	644	End	4147
Name	OJ991216_10.0211.C11.o1.ts	Method	TBLASTX:Soybean
Start	259	End	2387
GI	none	Score	142
Exons	259..318, 644..763, 644..763, 646..771, 824..907, 838..906, 978..1070, 988..1056, 1983..2045, 1984..2040, 2339..2386, 2346..2387		

Seq. No.	18032	Seq. ID	OJ991216_10.0211.C11
Gene No.	37773	Strand	-
Start	644	End	4147
Name	OJ991216_10.0211.C11.o1.tc	Method	TBLASTX:Cress
Start	640	End	1058
GI	none	Score	114
Exons	640..765, 644..766, 644..763, 646..771, 838..906, 842..907, 978..1058, 987..1055, 988..1056		

Seq. No.	18032	Seq. ID	OJ991216_10.0211.C11
Gene No.	37773	Strand	-
Start	644	End	4147
Name	OJ991216_10.0211.C11.o1.gs	Method	GENSCAN
Start	644	End	4072
GI	none	Score	.56
Exons	644..761, 2572..2661, 4009..4072		

Seq. No.	18032	Seq. ID	OJ991216_10.0211.C11
Gene No.	37773	Strand	-
Start	644	End	4147
Name	OJ991216_10.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	665	End	2660
GI	none	Score	148
Exons	665..763, 667..771, 667..771, 824..907, 827..901, 838..906, 978..1070, 990..1055, 1510..1548, 1981..2040, 1983..2045, 1984..2040, 2339..2401, 2352..2402, 2353..2421, 2568..2660, 2570..2614, 2571..2633		

Seq. No.	18032	Seq. ID	OJ991216_10.0211.C11

Gene No.	37773	Strand	-
Start	644	End	4147
Name	OJ991216_10.0211.C11.o1.gp	Method	AAT/GAP
Start	2364	End	4147
GI	none	Score	900
Exons	2364..2400, 2572..2653, 2760..2849, 2955..3047, 3159..3217, 4009..4147		

Seq. No.	18032	Seq. ID	OJ991216_10.0211.C11
Gene No.	37773	Strand	-
Start	644	End	4147
Name	OJ991216_10.0211.C11.o2.ts	Method	TBLASTX:Soybean
Start	2568	End	4073
GI	none	Score	109
Exons	2568..2669, 2570..2614, 2773..2850, 2776..2859, 2945..3052, 2955..3050, 2955..3053, 2956..3051, 3159..3218, 3159..3218, 3160..3219, 4008..4073		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37774	Strand	+
Start	262	End	355
Name	OJ991216_10.0211.C12.o1.gp	Method	AAT/GAP
Start	262	End	355
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	262..355		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37775	Strand	+
Start	7503	End	10679
Name	OJ991216_10.0211.C12.o3.gs	Method	GENSCAN
Start	7503	End	10349
GI	none	Score	.44
Exons	7503..7570, 8675..8835, 9790..10349		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37775	Strand	+
Start	7503	End	10679
Name	OJ991216_10.0211.C12.o3.gp	Method	AAT/GAP
Start	8743	End	10679
GI	3279_2.R1084	Score	1930
Exons	8743..8804, 8895..9040, 9816..10679		
GI Descrip.	'2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]'		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37775	Strand	+
Start	7503	End	10679
Name	OJ991216_10.0211.C12.o2.np	Method	AAT/NAP
Start	9828	End	10346
GI	5031281	Score	561
Exons	9828..10346		
GI Descrip.	(AF139499) unknown [Prunus armeniaca]		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12

Gene No.	37776	Strand	+
Start	12020	End	12361
Name	OJ991216_10.0211.C12.o4.gp	Method	AAT/GAP
Start	12020	End	12361
GI	none	Score	663
Exons	12020..12361		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37777	Strand	-
Start	513	End	701
Name	OJ991216_10.0211.C12.o1.gs	Method	GENSCAN
Start	513	End	701
GI	none	Score	.78
Exons	513..701		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37778	Strand	-
Start	1618	End	4902
Name	OJ991216_10.0211.C12.o3.tm	Method	TBLASTX:Maize
Start	1608	End	2259
GI	none	Score	76
Exons	1608..1697, 1608..1697, 1609..1698, 1697..1795, 1697..1792, 1699..1797, 1705..1833, 1923..2015, 1924..2019, 2185..2259, 2188..2259		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37778	Strand	-
Start	1618	End	4902
Name	OJ991216_10.0211.C12.o1.np	Method	AAT/NAP
Start	1609	End	4882
GI	2689720	Score	677
Exons	1609..1833, 1929..2014, 2190..2272, 2380..2486, 2571..2630, 2711..2812, 2887..2985, 4784..4882		
GI Descrip.	(AF037168) DnaJ homologue [Arabidopsis thaliana]		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37778	Strand	-
Start	1618	End	4902
Name	OJ991216_10.0211.C12.o2.gs	Method	GENSCAN
Start	1618	End	4882
GI	none	Score	.96
Exons	1618..1825, 1924..2014, 2190..2272, 2380..2486, 2571..2630, 2711..2812, 2887..2985, 4784..4882		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37778	Strand	-
Start	1618	End	4902
Name	OJ991216_10.0211.C12.o1.tc	Method	TBLASTX:Cress
Start	1921	End	2994
GI	none	Score	104
Exons	1921..2046, 1923..2015, 2185..2337, 2189..2338, 2379..2489, 2380..2487, 2565..2621, 2706..2813, 2714..2815, 2887..2994, 2900..2983		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37778	Strand	-
Start	1618	End	4902

Name	OJ991216_10.0211.C12.o2.ts	Method	TBLASTX:Soybean
Start	2410	End	2994
GI	none	Score	99
Exons	2410..2535, 2412..2489, 2565..2627, 2691..2813, 2714..2815, 2740..2817, 2881..2976, 2885..2983, 2885..2971, 2887..2994		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37778	Strand	-
Start	1618	End	4902
Name	OJ991216_10.0211.C12.o2.gp	Method	AAT/GAP
Start	2438	End	4902
GI	2312476	Score	730
Exons	2438..2486, 2571..2630, 2711..2812, 2887..2985, 4784..4902		
GI Descrip.	2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37778	Strand	-
Start	1618	End	4902
Name	OJ991216_10.0211.C12.o2.tm	Method	TBLASTX:Maize
Start	2576	End	3007
GI	none	Score	75
Exons	2576..2629, 2577..2633, 2577..2630, 2711..2815, 2712..2813, 2749..2814, 2758..2817, 2885..3007, 2885..2989, 2887..2991		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37779	Strand	
Start	7161	End	10664
Name	OJ991216_10.0211.C12.o2.tw	Method	TBLASTX:Wheat
Start	7161	End	10568
GI	none	Score	183
Exons	7161..7214, 10232..10345, 10233..10355, 10237..10347, 10238..10357, 10519..10566, 10521..10568		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37779	Strand	
Start	7161	End	10664
Name	OJ991216_10.0211.C12.o1.tm	Method	TBLASTX:Maize
Start	9785	End	10664
GI	none	Score	332
Exons	9785..10021, 9810..10022, 9826..10038, 9827..10039, 10074..10355, 10086..10322, 10093..10362, 10094..10345, 10117..10356, 10359..10397, 10373..10396, 10456..10500, 10456..10500, 10524..10556, 10529..10555, 10552..10611, 10553..10612, 10614..10664, 10627..10662		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37779	Strand	
Start	7161	End	10664
Name	OJ991216_10.0211.C12.o1.tw	Method	TBLASTX:Wheat
Start	9818	End	10217
GI	none	Score	319
Exons	9818..10027, 9825..10031, 9829..10038, 9830..10042, 10086..10145, 10117..10143, 10152..10217, 10154..10216		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37779	Strand	
Start	7161	End	10664

Name	OJ991216_10.0211.C12.o1.ts	Method	TBLASTX:Soybean
Start	9828	End	10356
GI	none	Score	41
Exons	9828..9860, 9857..10006, 9858..10025, 9875..10039, 10113..10349, 10142..10351, 10143..10319, 10154..10345, 10189..10356		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37779	Strand	
Start	7161	End	10664
Name	OJ991216_10.0211.C12.o2.tc	Method	TBLASTX:Cress
Start	9855	End	10349
GI	none	Score	115
Exons	9855..9992, 10074..10349, 10163..10330		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37780	Strand	
Start	12168	End	12361
Name	OJ991216_10.0211.C12.o4.tm	Method	TBLASTX:Maize
Start	12168	End	12361
GI	none	Score	224
Exons	12168..12359, 12173..12361, 12173..12361		

Seq. No.	18033	Seq. ID	OJ991216_10.0211.C12
Gene No.	37780	Strand	
Start	12168	End	12361
Name	OJ991216_10.0211.C12.o3.tw	Method	TBLASTX:Wheat
Start	12170	End	12340
GI	none	Score	157
Exons	12170..12340, 12180..12338		

Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o1.np	Method	AAT/NAP
Start	1	End	3838
GI	5881940	Score	389
Exons	1..49, 946..1086, 1286..1496, 1580..1655, 1741..1820, 2356..2451, 2874..2945, 3043..3240, 3329..3531, 3628..3838		
GI Descrip.	(AL117387) putative secreted protein [Streptomyces coelicolor A3(2)]		

Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o3.tm	Method	TBLASTX:Maize
Start	1	End	1000
GI	none	Score	227
Exons	1..180, 1..147, 3..179, 410..466, 414..467, 523..609, 523..612, 527..613, 677..814, 678..815, 685..825, 707..817, 708..839, 893..1000, 896..1000		

Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o1.gs	Method	GENSCAN
Start	24	End	3775
GI	none	Score	.84

Exons	24..178, 709..814, 893..1086, 1286..1496, 1580..1655, 1741..1820, 2356..2451, 3043..3240, 3329..3531, 3628..3775		
Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o1.gp	Method	AAT/GAP
Start	35	End	1470
GI	23746_1.R1084	Score	1281
Exons	35..179, 524..611, 709..814, 893..1086, 1286..1470		
GI Descrip.	'557474 6.0e-18 (U15179) ORF1 [Bacteroides ovatus]'		
Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o3.tc	Method	TBLASTX:Cress
Start	141	End	1085
GI	none	Score	67
Exons	141..179, 523..615, 524..631, 683..805, 726..797, 887..1084, 930..1085		
Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o1.ts	Method	TBLASTX:Soybean
Start	977	End	1823
GI	none	Score	51
Exons	977..1045, 981..1049, 1028..1090, 1029..1091, 1282..1329, 1284..1334, 1284..1508, 1369..1497, 1374..1502, 1577..1618, 1577..1624, 1595..1675, 1740..1823, 1741..1821		
Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o2.tm	Method	TBLASTX:Maize
Start	1002	End	1466
GI	none	Score	103
Exons	1002..1091, 1002..1088, 1004..1090, 1266..1466, 1270..1458		
Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o2.tc	Method	TBLASTX:Cress
Start	1437	End	1833
GI	none	Score	57
Exons	1437..1508, 1441..1509, 1577..1675, 1578..1676, 1740..1832, 1741..1833		
Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o2.gp	Method	AAT/GAP
Start	1757	End	3375
GI	9455_1.R1084	Score	803
Exons	1757..1820, 2356..2451, 2874..2945, 3043..3240, 3329..3375		
GI Descrip.	'416325/gb\|U03454\|PRS423 2.0e-15 Yeast episomal vector pRS423 with HIS3 marker, complete sequence'		

Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	2356	End	3532
GI	none	Score	135
Exons	2356..2460, 2357..2473, 2358..2471, 2873..2947, 2874..2951, 2875..2937, 3042..3140, 3043..3141, 3043..3144, 3208..3243, 3209..3241, 3288..3530, 3314..3532		

Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o1.tc	Method	TBLASTX:Cress
Start	2365	End	3784
GI	none	Score	78
Exons	2365..2460, 2366..2458, 2874..2951, 2881..2922, 3043..3168, 3044..3163, 3058..3165, 3308..3538, 3318..3539, 3626..3784		

Seq. No.	18034	Seq. ID	OJ991216_10.0211.C13
Gene No.	37781	Strand	-
Start	1	End	3838
Name	OJ991216_10.0211.C13.o2.ts	Method	TBLASTX:Soybean
Start	2380	End	3243
GI	none	Score	68
Exons	2380..2430, 2380..2460, 2873..2947, 2874..2951, 2878..2934, 3041..3142, 3043..3243, 3068..3241		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37782	Strand	+
Start	209	End	730
Name	OJ991216_10.0211.C14.o1.gs	Method	GENSCAN
Start	209	End	730
GI	none	Score	.43
Exons	209..730		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37783	Strand	+
Start	3095	End	8933
Name	OJ991216_10.0211.C14.o1.gp	Method	AAT/GAP
Start	2593	End	4111
GI	uC-osrocyp036h10b1	Score	814
Exons	2593..2713, 3070..3173, 3597..3762, 4066..4111		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 4.0e-20 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37783	Strand	+
Start	3095	End	8933
Name	OJ991216_10.0211.C14.o2.gs	Method	GENSCAN
Start	3095	End	8933
GI	none	Score	.69
Exons	3095..3173, 3597..3762, 4066..4267, 4361..4521, 4651..4744, 4822..5034, 6488..6706, 7030..7135, 7884..8092, 8472..8933		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14

Gene No.	37783	Strand	+
Start	3095	End	8933
Name	OJ991216_10.0211.C14.o2.gp	Method	AAT/GAP
Start	5523	End	7490
GI	33112_1.R1084	Score	1453
Exons	5523..5600, 6488..6706, 7030..7490		
GI Descrip.	'1363051/pir\|\|A56534 2.0e-23 P58 protein - bovine >gi_468012 (U04631) PKR inhibitor P58 [Bos taurus]'		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37784	Strand	+
Start	12368	End	14576
Name	OJ991216_10.0211.C14.o4.gs	Method	GENSCAN
Start	12368	End	14576
GI	none	Score	.79
Exons	12368..12608, 12952..13036, 13138..13307, 13741..14054, 14421..14576		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37784	Strand	+
Start	12368	End	14576
Name	OJ991216_10.0211.C14.o3.gp	Method	AAT/GAP
Start	13747	End	14470
GI	none	Score	696
Exons	13747..14054, 14421..14470		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37785	Strand	-
Start	1775	End	3155
Name	OJ991216_10.0211.C14.o1.np	Method	AAT/NAP
Start	1775	End	3155
GI	5852180	Score	328
Exons	1775..2214, 3069..3155		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o2.tw	Method	TBLASTX:Wheat
Start	3574	End	4233
GI	none	Score	234
Exons	3574..3762, 3584..3781, 3602..3775, 4016..4231, 4054..4233, 4068..4232, 4111..4233		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o4.tm	Method	TBLASTX:Maize
Start	3584	End	4163
GI	none	Score	244
Exons	3584..3763, 3595..3765, 3615..3776, 3619..3774, 4016..4162, 4038..4163, 4071..4163		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o3.tm	Method	TBLASTX:Maize

Start	4164	End	4873
GI	none	Score	131
Exons	4164..4268, 4166..4267, 4169..4309, 4177..4269, 4354..4521, 4358..4525, 4359..4523, 4648..4743, 4649..4774, 4822..4872, 4826..4873, 4826..4873		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o4.tc	Method	TBLASTX:Cress
Start	4355	End	4902
GI	none	Score	92
Exons	4355..4525, 4357..4494, 4400..4522, 4648..4743, 4649..4744, 4794..4898, 4822..4902		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o2.ts	Method	TBLASTX:Soybean
Start	5514	End	6649
GI	none	Score	127
Exons	5514..5600, 5519..5596, 6484..6648, 6485..6649		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o6.tm	Method	TBLASTX:Maize
Start	6584	End	7401
GI	none	Score	204
Exons	6584..6709, 6585..6707, 6586..6708, 7027..7086, 7028..7099, 7104..7151, 7112..7174, 7117..7218, 7210..7236, 7214..7237, 7369..7401		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	12181	End	13203
GI	none	Score	445
Exons	12181..12612, 12219..12608, 12227..12613, 12915..13034, 12915..13034, 12925..13035, 12950..13036, 13135..13194, 13135..13203, 13136..13201		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o1.tc	Method	TBLASTX:Cress
Start	12232	End	12508
GI	none	Score	200
Exons	12232..12372, 12233..12388, 12261..12389, 12387..12491, 12389..12508, 12401..12490, 12403..12507		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o2.tc	Method	TBLASTX:Cress
Start	12956	End	13892

GI	none	Score	121
Exons	12956..13039, 12957..13040, 13129..13308, 13136..13309, 13736..13834, 13737..13832, 13833..13889, 13860..13892		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o1.ts	Method	TBLASTX:Soybean
Start	13142	End	14041
GI	none	Score	108
Exons	13142..13222, 13144..13224, 13222..13308, 13223..13309, 13728..13865, 13736..13870, 13737..13868, 13919..14041, 13929..14039		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o2.tm	Method	TBLASTX:Maize
Start	13778	End	14619
GI	none	Score	421
Exons	13778..14056, 13779..14054, 13781..14056, 13782..14069, 13822..14070, 13828..14070, 14407..14583, 14420..14578, 14421..14585, 14580..14618, 14581..14619		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o3.tc	Method	TBLASTX:Cress
Start	13989	End	14573
GI	none	Score	101
Exons	13989..14054, 14420..14572, 14421..14573		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o2.np	Method	AAT/NAP
Start	15355	End	28091
GI	422029	Score	534
Exons	15355..15498, 17345..17605, 21342..21536, 21564..21687, 22259..22339, 22772..22881, 28049..28091		
GI Descrip.	transcription factor OBF3.2, ocs element-binding - maize gi\|297018\|emb\|CAA48904\| (X69152) ocs-element binding factor 3.2 [Zea mays]		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o5.tm	Method	TBLASTX:Maize
Start	15364	End	22834
GI	none	Score	142
Exons	15364..15507, 17489..17587, 21342..21467, 21342..21545, 21343..21477, 21561..21638, 21595..21639, 22267..22296, 22280..22339, 22772..22834		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516

Name	OJ991216_10.0211.C14.o5.gs	Method	GENSCAN
Start	16962	End	23292
GI	none	Score	.73
Exons	16962..17060, 17345..17605, 21342..21640, 22095..22149, 22259..22339, 22772..22924, 23047..23292		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o1.tw	Method	TBLASTX:Wheat
Start	17564	End	21597
GI	none	Score	62
Exons	17564..17605, 17565..17603, 21322..21597, 21339..21596		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o3.ts	Method	TBLASTX:Soybean
Start	21313	End	22840
GI	none	Score	91
Exons	21313..21429, 21339..21539, 21561..21629, 22280..22339, 22772..22840		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o6.gs	Method	GENSCAN
Start	25050	End	28516
GI	none	Score	.61
Exons	25050..25170, 27299..27482, 28477..28516		

Seq. No.	18035	Seq. ID	OJ991216_10.0211.C14
Gene No.	37786	Strand	-
Start	15355	End	28516
Name	OJ991216_10.0211.C14.o4.gp	Method	AAT/GAP
Start	25097	End	25550
GI	none	Score	884
Exons	25097..25550		

Seq. No.	18036	Seq. ID	OJ991216_10.0211.C15
Gene No.	37787	Strand	+
Start	704	End	6532
Name	OJ991216_10.0211.C15.o1.gs	Method	GENSCAN
Start	704	End	5783
GI	none	Score	.75
Exons	704..772, 1510..1590, 4035..4259, 4266..4577, 5643..5783		

Seq. No.	18036	Seq. ID	OJ991216_10.0211.C15
Gene No.	37787	Strand	+
Start	704	End	6532
Name	OJ991216_10.0211.C15.o1.np	Method	AAT/NAP
Start	4006	End	6532
GI	6729532	Score	460
Exons	4006..4060, 4132..4555, 5654..5783, 6497..6532		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	18036	Seq. ID	OJ991216_10.0211.C15

Gene No.	37787	Strand	+
Start	704	End	6532
Name	OJ991216_10.0211.C15.o1.ts	Method	TBLASTX:Soybean
Start	4182	End	6529
GI	none	Score	72
Exons	4182..4232, 4431..4580, 4445..4570, 5640..5786, 5642..5749, 6481..6519, 6482..6529		

Seq. No.	18036	Seq. ID	OJ991216_10.0211.C15
Gene No.	37787	Strand	+
Start	704	End	6532
Name	OJ991216_10.0211.C15.o1.tm	Method	TBLASTX:Maize
Start	4416	End	6532
GI	none	Score	261
Exons	4416..4577, 4445..4576, 5640..5786, 5640..5843, 5641..5787, 5886..5933, 6482..6532		

Seq. No.	18037	Seq. ID	OJ991216_10.0211.C16
Gene No.	37788	Strand	+
Start	1	End	678
Name	OJ991216_10.0211.C16.o1.np	Method	AAT/NAP
Start	1	End	678
GI	6729532	Score	171
Exons	1..39, 587..678		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	18038	Seq. ID	OJ991216_10.0211.C18
Gene No.	37789	Strand	+
Start	73	End	351
Name	OJ991216_10.0211.C18.o1.gp	Method	AAT/GAP
Start	73	End	351
GI	3763528	Score	521
Exons	73..351		

Seq. No.	18038	Seq. ID	OJ991216_10.0211.C18
Gene No.	37790	Strand	-
Start	116	End	312
Name	OJ991216_10.0211.C18.o1.gs	Method	GENSCAN
Start	116	End	312
GI	none	Score	.86
Exons	116..312		

Seq. No.	18039	Seq. ID	OJ991216_10.0211.C19
Gene No.	37791	Strand	+
Start	121	End	294
Name	OJ991216_10.0211.C19.o1.gs	Method	GENSCAN
Start	121	End	294
GI	none	Score	.69
Exons	121..294		

Seq. No.	18040	Seq. ID	OJ991026_12.0202.C2
Gene No.	37792	Strand	+
Start	1	End	3515
Name	OJ991026_12.0202.C2.o1.np	Method	AAT/NAP
Start	1	End	3515
GI	4587521	Score	177
Exons	1..66, 1997..2037, 2701..2879, 3491..3515		

GI Descrip.	(AC007060) Identical to gb\|D88748 AR411 gene from Arabidopsis thaliana. EST gb\|T20672 comes from this gene.		
Seq. No.	18040	Seq. ID	OJ991026_12.0202.C2
Gene No.	37792	Strand	+
Start	1	End	3515
Name	OJ991026_12.0202.C2.o1.gs	Method	GENSCAN
Start	1382	End	2841
GI	none	Score	.61
Exons	1382..2037, 2701..2841		
Seq. No.	18040	Seq. ID	OJ991026_12.0202.C2
Gene No.	37792	Strand	+
Start	1	End	3515
Name	OJ991026_12.0202.C2.o1.tc	Method	TBLASTX:Cress
Start	2698	End	2869
GI	none	Score	189
Exons	2698..2733, 2699..2869, 2731..2841		
Seq. No.	18041	Seq. ID	OJ991026_12.0202.C3
Gene No.	37793	Strand	+
Start	211	End	996
Name	OJ991026_12.0202.C3.o1.np	Method	AAT/NAP
Start	211	End	996
GI	1669603	Score	284
Exons	211..587, 654..996		
GI Descrip.	(D88748) AR411 [Arabidopsis thaliana]		
Seq. No.	18041	Seq. ID	OJ991026_12.0202.C3
Gene No.	37793	Strand	+
Start	211	End	996
Name	OJ991026_12.0202.C3.o1.gs	Method	GENSCAN
Start	374	End	994
GI	none	Score	1
Exons	374..994		
Seq. No.	18041	Seq. ID	OJ991026_12.0202.C3
Gene No.	37794	Strand	-
Start	2436	End	2739
Name	OJ991026_12.0202.C3.o1.ts	Method	TBLASTX:Soybean
Start	204	End	881
GI	none	Score	234
Exons	204..287, 295..450, 296..451, 786..881		
Seq. No.	18041	Seq. ID	OJ991026_12.0202.C3
Gene No.	37794	Strand	-
Start	2436	End	2739
Name	OJ991026_12.0202.C3.o1.tc	Method	TBLASTX:Cress
Start	295	End	844
GI	none	Score	278
Exons	295..453, 296..451, 778..843, 779..844		
Seq. No.	18041	Seq. ID	OJ991026_12.0202.C3
Gene No.	37794	Strand	-
Start	2436	End	2739
Name	OJ991026_12.0202.C3.o2.gs	Method	GENSCAN
Start	2436	End	2739

GI	none	Score	.43
Exons	2436..2739		

Seq. No.	18042	Seq. ID	OJ991026_12.0202.C4
Gene No.	37795	Strand	+
Start	923	End	11319
Name	OJ991026_12.0202.C4.o1.gs	Method	GENSCAN
Start	923	End	11319
GI	none	Score	.71
Exons	923..989, 4227..4390, 4521..4549, 4821..4891, 5124..5298, 5849..5906, 6065..6155, 6188..6309, 6705..6813, 7291..7508, 7514..8175, 8253..9047, 11015..11185, 11259..11319		

Seq. No.	18042	Seq. ID	OJ991026_12.0202.C4
Gene No.	37795	Strand	+
Start	923	End	11319
Name	OJ991026_12.0202.C4.o1.np	Method	AAT/NAP
Start	6236	End	9048
GI	4102839	Score	977
Exons	6236..6367, 7279..7508, 7595..8175, 8253..9048		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	18042	Seq. ID	OJ991026_12.0202.C4
Gene No.	37796	Strand	-
Start	11998	End	12381
Name	OJ991026_12.0202.C4.o2.tm	Method	TBLASTX:Maize
Start	7260	End	7642
GI	none	Score	192
Exons	7260..7478, 7275..7472, 7292..7477, 7562..7642		

Seq. No.	18042	Seq. ID	OJ991026_12.0202.C4
Gene No.	37796	Strand	-
Start	11998	End	12381
Name	OJ991026_12.0202.C4.o1.tc	Method	TBLASTX:Cress
Start	7293	End	8901
GI	none	Score	108
Exons	7293..7481, 7559..7651, 7658..7792, 7817..8119, 8147..8176, 8302..8457, 8464..8619, 8719..8901		

Seq. No.	18042	Seq. ID	OJ991026_12.0202.C4
Gene No.	37796	Strand	-
Start	11998	End	12381
Name	OJ991026_12.0202.C4.o1.tm	Method	TBLASTX:Maize
Start	7643	End	9042
GI	none	Score	98
Exons	7643..7792, 7823..7888, 7892..8107, 8239..8448, 8316..8447, 8464..8619, 8716..9042, 8724..9020		

Seq. No.	18042	Seq. ID	OJ991026_12.0202.C4
Gene No.	37796	Strand	-
Start	11998	End	12381
Name	OJ991026_12.0202.C4.o1.ts	Method	TBLASTX:Soybean
Start	7691	End	9045
GI	none	Score	72
Exons	7691..7789, 7817..8065, 7837..8052, 8212..8307, 8281..8436, 8470..8619, 8715..8912, 8716..8904, 8923..9045		

Seq. No.	18042	Seq. ID	OJ991026_12.0202.C4
Gene No.	37796	Strand	-
Start	11998	End	12381
Name	OJ991026_12.0202.C4.o1.tw	Method	TBLASTX:Wheat
Start	8716	End	9042
GI	none	Score	274
Exons	8716..9042, 8721..8930		

Seq. No.	18042	Seq. ID	OJ991026_12.0202.C4
Gene No.	37796	Strand	-
Start	11998	End	12381
Name	OJ991026_12.0202.C4.o2.gs	Method	GENSCAN
Start	11998	End	12381
GI	none	Score	.62
Exons	11998..12147, 12176..12381		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5
Gene No.	37797	Strand	+
Start	1	End	953
Name	OJ991026_12.0202.C5.o1.np	Method	AAT/NAP
Start	1	End	757
GI	6907106	Score	361
Exons	1..498, 571..757		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5
Gene No.	37797	Strand	+
Start	1	End	953
Name	OJ991026_12.0202.C5.o1.gp	Method	AAT/GAP
Start	229	End	953
GI	6547_1.R1084	Score	1128
Exons	229..953		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5
Gene No.	37798	Strand	+
Start	4440	End	7274
Name	OJ991026_12.0202.C5.o2.gs	Method	GENSCAN
Start	4440	End	7274
GI	none	Score	.45
Exons	4440..4487, 4824..4904, 5282..6940, 6992..7001, 7081..7274		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5
Gene No.	37798	Strand	+
Start	4440	End	7274
Name	OJ991026_12.0202.C5.o2.np	Method	AAT/NAP
Start	4661	End	6958
GI	1172704	Score	1214
Exons	4661..4764, 5323..6958		
GI Descrip.	PEPTIDE TRANSPORTER PTR2-B (HISTIDINE TRANSPORTING PROTEIN) gi\|633940 (L39082) transport protein [Arabidopsis thaliana] gi\|4406786\|gb\|AAD20096.1\| (AC006532) histidine transport protein (PTR2-B) [Arabidopsis thaliana]		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5

Gene No.	37799	Strand	-
Start	18	End	3398
Name	OJ991026_12.0202.C5.o1.gs	Method	GENSCAN
Start	18	End	3398
GI	none	Score	.56
Exons	18..333, 1702..1835, 2008..2066, 3295..3398		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5
Gene No.	37799	Strand	-
Start	18	End	3398
Name	OJ991026_12.0202.C5.o2.tm	Method	TBLASTX:Maize
Start	287	End	659
GI	none	Score	112
Exons	287..523, 310..429, 312..434, 333..392, 488..547, 514..570, 528..566, 600..659, 612..656, 617..658		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5
Gene No.	37800	Strand	
Start	5324	End	6964
Name	OJ991026_12.0202.C5.o1.tc	Method	TBLASTX:Cress
Start	5324	End	6961
GI	none	Score	239
Exons	5324..5629, 5470..5628, 5701..5739, 5702..6103, 5797..6048, 6116..6166, 6118..6165, 6220..6474, 6221..6529, 6608..6796, 6611..6961, 6622..6960		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5
Gene No.	37800	Strand	
Start	5324	End	6964
Name	OJ991026_12.0202.C5.o1.ts	Method	TBLASTX:Soybean
Start	5333	End	6952
GI	none	Score	426
Exons	5333..6088, 5878..6039, 6116..6172, 6224..6373, 6611..6808, 6842..6952		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5
Gene No.	37800	Strand	
Start	5324	End	6964
Name	OJ991026_12.0202.C5.o3.tm	Method	TBLASTX:Maize
Start	5380	End	5641
GI	none	Score	299
Exons	5380..5634, 5381..5641		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5
Gene No.	37800	Strand	
Start	5324	End	6964
Name	OJ991026_12.0202.C5.o1.tm	Method	TBLASTX:Maize
Start	5702	End	6946
GI	none	Score	102
Exons	5702..5821, 5795..5875, 5873..6094, 5878..6045, 6116..6172, 6118..6159, 6223..6477, 6224..6529, 6611..6946, 6611..6784, 6613..6882		

Seq. No.	18043	Seq. ID	OJ991026_12.0202.C5
Gene No.	37800	Strand	
Start	5324	End	6964
Name	OJ991026_12.0202.C5.o1.tw	Method	TBLASTX:Wheat

Start	6623	End	6964
GI	none	Score	320
Exons	6623..6964, 6625..6930		

Seq. No.	18044	Seq. ID	OJ991026_12.0202.C6
Gene No.	37801	Strand	+
Start	623	End	4587
Name	OJ991026_12.0202.C6.o1.gs	Method	GENSCAN
Start	623	End	4313
GI	none	Score	.89
Exons	623..774, 946..1008, 2556..2891, 2955..4313		

Seq. No.	18044	Seq. ID	OJ991026_12.0202.C6
Gene No.	37801	Strand	+
Start	623	End	4587
Name	OJ991026_12.0202.C6.o1.np	Method	AAT/NAP
Start	1483	End	4310
GI	1172704	Score	1230
Exons	1483..1504, 2585..2864, 2955..4310		
GI Descrip.	PEPTIDE TRANSPORTER PTR2-B (HISTIDINE TRANSPORTING PROTEIN) gi\|633940 (L39082) transport protein [Arabidopsis thaliana] gi\|4406786\|gb\|AAD20096.1\| (AC006532) histidine transport protein (PTR2-B) [Arabidopsis thaliana]		

Seq. No.	18044	Seq. ID	OJ991026_12.0202.C6
Gene No.	37801	Strand	+
Start	623	End	4587
Name	OJ991026_12.0202.C6.o2.tm	Method	TBLASTX:Maize
Start	2580	End	2894
GI	none	Score	273
Exons	2580..2894, 2624..2848		

Seq. No.	18044	Seq. ID	OJ991026_12.0202.C6
Gene No.	37801	Strand	+
Start	623	End	4587
Name	OJ991026_12.0202.C6.o1.tc	Method	TBLASTX:Cress
Start	2595	End	4313
GI	none	Score	222
Exons	2595..2837, 2741..2836, 2955..3461, 3059..3097, 3155..3460, 3474..3536, 3540..3881, 3572..3826, 3945..4313, 3960..4268, 3974..4312		

Seq. No.	18044	Seq. ID	OJ991026_12.0202.C6
Gene No.	37801	Strand	+
Start	623	End	4587
Name	OJ991026_12.0202.C6.o2.ts	Method	TBLASTX:Soybean
Start	2595	End	2869
GI	none	Score	196
Exons	2595..2861, 2741..2869		

Seq. No.	18044	Seq. ID	OJ991026_12.0202.C6
Gene No.	37801	Strand	+
Start	623	End	4587
Name	OJ991026_12.0202.C6.o1.tm	Method	TBLASTX:Maize
Start	2969	End	4298
GI	none	Score	131
Exons	2969..3097, 2970..3179, 3165..3233, 3230..3451, 3231..3467,		

3474..3542, 3575..3829, 3576..3881, 3963..4298, 3965..4237

Seq. No.	18044	Seq. ID	OJ991026_12.0202.C6
Gene No.	37801	Strand	+
Start	623	End	4587
Name	OJ991026_12.0202.C6.o1.ts	Method	TBLASTX:Soybean
Start	3060	End	4304
GI	none	Score	268
Exons	3060..3419, 3152..3403, 3477..3557, 3576..3713, 3590..3712, 3732..3881, 3963..4172, 4182..4304		

Seq. No.	18044	Seq. ID	OJ991026_12.0202.C6
Gene No.	37801	Strand	+
Start	623	End	4587
Name	OJ991026_12.0202.C6.o1.tw	Method	TBLASTX:Wheat
Start	3975	End	4298
GI	none	Score	323
Exons	3975..4298, 3975..4184, 3977..4282		

Seq. No.	18044	Seq. ID	OJ991026_12.0202.C6
Gene No.	37801	Strand	+
Start	623	End	4587
Name	OJ991026_12.0202.C6.o1.gp	Method	AAT/GAP
Start	4161	End	4587
GI	5039112	Score	792
Exons	4161..4587		
GI Descrip.	2655098 6.0e-09 (AF023472) peptide transporter [Hordeum vulgare]		

Seq. No.	18045	Seq. ID	OJ991026_12.0202.C7
Gene No.	37802	Strand	+
Start	51	End	2786
Name	OJ991026_12.0202.C7.o1.gs	Method	GENSCAN
Start	51	End	2786
GI	none	Score	.84
Exons	51..271, 310..1069, 1186..1290, 1345..2690, 2724..2786		

Seq. No.	18046	Seq. ID	OJ991026_12.0202.C8
Gene No.	37803	Strand	+
Start	1702	End	1839
Name	OJ991026_12.0202.C8.o1.gp	Method	AAT/GAP
Start	1702	End	1839
GI	1015_1.R1084	Score	253
Exons	1702..1839		
GI Descrip.	'1218053/gb\|U49113\|OSU49113 1.0e-86 Oryza sativa protein phosphatase 2A mRNA, complete cds'		

Seq. No.	18046	Seq. ID	OJ991026_12.0202.C8
Gene No.	37804	Strand	-
Start	980	End	1574
Name	OJ991026_12.0202.C8.o1.gs	Method	GENSCAN
Start	980	End	1574
GI	none	Score	.71
Exons	980..1022, 1488..1574		

Seq. No.	18047	Seq. ID	OJ991026_12.0202.C9
Gene No.	37805	Strand	+
Start	424	End	839

Name	OJ991026_12.0202.C9.o1.gs	Method	GENSCAN
Start	424	End	839
GI	none	Score	.99
Exons	424..586, 685..839		

Seq. No.	18047	Seq. ID	OJ991026_12.0202.C9
Gene No.	37805	Strand	+
Start	424	End	839
Name	OJ991026_12.0202.C9.o1.gp	Method	AAT/GAP
Start	466	End	637
GI	1015_1.R1084	Score	302
Exons	466..637		
GI Descrip.	'1218053/gb\|U49113\|OSU49113 1.0e-86 Oryza sativa protein phosphatase 2A mRNA, complete cds'		

Seq. No.	18047	Seq. ID	OJ991026_12.0202.C9
Gene No.	37806	Strand	-
Start	3744	End	6318
Name	OJ991026_12.0202.C9.o2.gs	Method	GENSCAN
Start	3744	End	6318
GI	none	Score	.56
Exons	3744..3994, 4071..4163, 4939..5254, 5550..5602, 5796..5899, 6257..6318		

Seq. No.	18048	Seq. ID	OJ991026_12.0202.C10
Gene No.	37807	Strand	+
Start	174	End	1804
Name	OJ991026_12.0202.C10.o1.gp	Method	AAT/GAP
Start	174	End	1804
GI	4194_2.R1084	Score	1538
Exons	174..753, 1594..1804		
GI Descrip.	'2274790/dbj\|BAA21547.1\| 1.0e-144 (AB005620) RFL [Oryza sativa]'		

Seq. No.	18048	Seq. ID	OJ991026_12.0202.C10
Gene No.	37807	Strand	+
Start	174	End	1804
Name	OJ991026_12.0202.C10.o1.gs	Method	GENSCAN
Start	190	End	750
GI	none	Score	.8
Exons	190..750		

Seq. No.	18048	Seq. ID	OJ991026_12.0202.C10
Gene No.	37807	Strand	+
Start	174	End	1804
Name	OJ991026_12.0202.C10.o1.np	Method	AAT/NAP
Start	250	End	747
GI	6094002	Score	763
Exons	250..747		
GI Descrip.	60S RIBOSOMAL PROTEIN L12 gi\|2677830 (U93168) ribosomal protein L12 [Prunus armeniaca]		

Seq. No.	18048	Seq. ID	OJ991026_12.0202.C10
Gene No.	37808	Strand	-
Start	2161	End	3416
Name	OJ991026_12.0202.C10.o1.tm	Method	TBLASTX:Maize
Start	243	End	806
GI	none	Score	816

Exons	243..806, 247..756		
Seq. No.	18048	Seq. ID	OJ991026_12.0202.C10
Gene No.	37808	Strand	-
Start	2161	End	3416
Name	OJ991026_12.0202.C10.o1.tc	Method	TBLASTX:Cress
Start	249	End	762
GI	none	Score	774
Exons	249..740, 250..762		
Seq. No.	18048	Seq. ID	OJ991026_12.0202.C10
Gene No.	37808	Strand	-
Start	2161	End	3416
Name	OJ991026_12.0202.C10.o1.ts	Method	TBLASTX:Soybean
Start	249	End	805
GI	none	Score	774
Exons	249..746, 250..741, 654..788, 659..805		
Seq. No.	18048	Seq. ID	OJ991026_12.0202.C10
Gene No.	37808	Strand	-
Start	2161	End	3416
Name	OJ991026_12.0202.C10.o2.gs	Method	GENSCAN
Start	2161	End	3416
GI	none	Score	.64
Exons	2161..2249, 2536..2672, 2765..3027, 3139..3210, 3336..3416		
Seq. No.	18048	Seq. ID	OJ991026_12.0202.C10
Gene No.	37808	Strand	-
Start	2161	End	3416
Name	OJ991026_12.0202.C10.o2.gp	Method	AAT/GAP
Start	2424	End	3027
GI	2274789	Score	1185
Exons	2424..3027		
GI Descrip.	2274790/dbj\|BAA21547.1\| 1.0e-144 (AB005620) RFL [Oryza sativa]		
Seq. No.	18048	Seq. ID	OJ991026_12.0202.C10
Gene No.	37808	Strand	-
Start	2161	End	3416
Name	OJ991026_12.0202.C10.o2.np	Method	AAT/NAP
Start	2677	End	3031
GI	6132108	Score	602
Exons	2677..3031		
GI Descrip.	(AF065992) floral meristem identity protein [Oryza sativa]		
Seq. No.	18048	Seq. ID	OJ991026_12.0202.C10
Gene No.	37808	Strand	-
Start	2161	End	3416
Name	OJ991026_12.0202.C10.o2.tc	Method	TBLASTX:Cress
Start	2731	End	3034
GI	none	Score	222
Exons	2731..3030, 2753..3034		
Seq. No.	18049	Seq. ID	OJ991026_12.0202.C11
Gene No.	37809	Strand	+
Start	73	End	170
Name	OJ991026_12.0202.C11.o1.gs	Method	GENSCAN
Start	73	End	170

GI	none	Score	.93
Exons	73..170		

Seq. No.	18049	Seq. ID	OJ991026_12.0202.C11
Gene No.	37810	Strand	-
Start	1	End	2221
Name	OJ991026_12.0202.C11.o1.np	Method	AAT/NAP
Start	1	End	2146
GI	2274790	Score	1385
Exons	1..48, 1115..1524, 1741..2146		
GI Descrip.	(AB005620) RFL [Oryza sativa]		

Seq. No.	18049	Seq. ID	OJ991026_12.0202.C11
Gene No.	37810	Strand	-
Start	1	End	2221
Name	OJ991026_12.0202.C11.o2.gs	Method	GENSCAN
Start	1016	End	2146
GI	none	Score	.9
Exons	1016..1524, 1741..2146		

Seq. No.	18049	Seq. ID	OJ991026_12.0202.C11
Gene No.	37810	Strand	-
Start	1	End	2221
Name	OJ991026_12.0202.C11.o1.gp	Method	AAT/GAP
Start	1109	End	2221
GI	2274789	Score	1726
Exons	1109..1524, 1741..2221		
GI Descrip.	2274790/dbj\|BAA21547.1\| 1.0e-144 (AB005620) RFL [Oryza sativa]		

Seq. No.	18049	Seq. ID	OJ991026_12.0202.C11
Gene No.	37810	Strand	-
Start	1	End	2221
Name	OJ991026_12.0202.C11.o1.tc	Method	TBLASTX:Cress
Start	1112	End	2017
GI	none	Score	168
Exons	1112..1276, 1113..1265, 1808..1996, 1868..2017		

Seq. No.	18050	Seq. ID	OJ991026_12.0202.C12
Gene No.	37811	Strand	+
Start	12	End	1054
Name	OJ991026_12.0202.C12.o1.np	Method	AAT/NAP
Start	12	End	1054
GI	6539588	Score	234
Exons	12..38, 754..1054		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	18051	Seq. ID	OJ991026_12.0202.C13
Gene No.	37812	Strand	+
Start	2072	End	2395
Name	OJ991026_12.0202.C13.o1.gs	Method	GENSCAN
Start	2072	End	2395
GI	none	Score	.98
Exons	2072..2395		

Seq. No.	18052	Seq. ID	OJ991026_12.0202.C14
Gene No.	37813	Strand	+
Start	1	End	3076

Name	OJ991026_12.0202.C14.o1.np	Method	AAT/NAP
Start	1	End	3076
GI	6587816	Score	853
Exons	1..194, 380..479, 1933..3076		
GI Descrip.	(AC010924) Contains similarity to gb\|AJ009696 wall-associated kinase 1 from Arabidopsis thaliana and contains a protein kinase PF\|00069 domain.		

Seq. No.	18052	Seq. ID	OJ991026_12.0202.C14
Gene No.	37813	Strand	+
Start	1	End	3076
Name	OJ991026_12.0202.C14.o1.tc	Method	TBLASTX:Cress
Start	77	End	2992
GI	none	Score	61
Exons	77..151, 164..193, 2135..2437, 2236..2424, 2444..2992, 2447..2740, 2728..2754		

Seq. No.	18052	Seq. ID	OJ991026_12.0202.C14
Gene No.	37813	Strand	+
Start	1	End	3076
Name	OJ991026_12.0202.C14.o1.ts	Method	TBLASTX:Soybean
Start	2024	End	2838
GI	none	Score	63
Exons	2024..2101, 2102..2266, 2287..2424, 2288..2446, 2450..2824, 2504..2743, 2668..2838		

Seq. No.	18052	Seq. ID	OJ991026_12.0202.C14
Gene No.	37813	Strand	+
Start	1	End	3076
Name	OJ991026_12.0202.C14.o1.tm	Method	TBLASTX:Maize
Start	2026	End	2992
GI	none	Score	55
Exons	2026..2106, 2027..2101, 2102..2461, 2150..2404, 2242..2418, 2453..2782, 2456..2992, 2728..2847, 2893..2991		

Seq. No.	18052	Seq. ID	OJ991026_12.0202.C14
Gene No.	37813	Strand	+
Start	1	End	3076
Name	OJ991026_12.0202.C14.o1.tw	Method	TBLASTX:Wheat
Start	2102	End	2506
GI	none	Score	303
Exons	2102..2437, 2159..2404, 2251..2427, 2447..2506		

Seq. No.	18052	Seq. ID	OJ991026_12.0202.C14
Gene No.	37813	Strand	+
Start	1	End	3076
Name	OJ991026_12.0202.C14.o2.tw	Method	TBLASTX:Wheat
Start	2507	End	2776
GI	none	Score	129
Exons	2507..2635, 2636..2776, 2671..2775		

Seq. No.	18053	Seq. ID	OJ991026_12.0202.C15
Gene No.	37814	Strand	+
Start	215	End	1727
Name	OJ991026_12.0202.C15.o1.gs	Method	GENSCAN
Start	215	End	1727
GI	none	Score	.99

Exons	215..301, 1356..1727		
Seq. No.	18053	Seq. ID	OJ991026_12.0202.C15
Gene No.	37815	Strand	+
Start	1628	End	5630
Name	OJ991026_12.0202.C15.o1.np	Method	AAT/NAP
Start	1628	End	5630
GI	4826399	Score	134
Exons	1628..1667, 3680..4217, 4433..4533, 5594..5630		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		
Seq. No.	18053	Seq. ID	OJ991026_12.0202.C15
Gene No.	37815	Strand	+
Start	1628	End	5630
Name	OJ991026_12.0202.C15.o2.gs	Method	GENSCAN
Start	3272	End	4217
GI	none	Score	.43
Exons	3272..4217		
Seq. No.	18053	Seq. ID	OJ991026_12.0202.C15
Gene No.	37816	Strand	-
Start	1742	End	1976
Name	OJ991026_12.0202.C15.o1.gp	Method	AAT/GAP
Start	1742	End	1976
GI	5867_1.R1084	Score	124
Exons	1742..1768, 1890..1976		
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	18054	Seq. ID	OJ991026_12.0202.C16
Gene No.	37817	Strand	+
Start	1011	End	2036
Name	OJ991026_12.0202.C16.o1.np	Method	AAT/NAP
Start	1011	End	2036
GI	6587816	Score	864
Exons	1011..2036		
GI Descrip.	(AC010924) Contains similarity to gb\|AJ009696 wall-associated kinase 1 from Arabidopsis thaliana and contains a protein kinase PF\|00069 domain.		
Seq. No.	18054	Seq. ID	OJ991026_12.0202.C16
Gene No.	37817	Strand	+
Start	1011	End	2036
Name	OJ991026_12.0202.C16.o1.tc	Method	TBLASTX:Cress
Start	1012	End	1989
GI	none	Score	365
Exons	1012..1086, 1130..1432, 1186..1419, 1442..1987, 1444..1782, 1888..1989		
Seq. No.	18054	Seq. ID	OJ991026_12.0202.C16
Gene No.	37817	Strand	+
Start	1011	End	2036

Name	OJ991026_12.0202.C16.o1.ts	Method	TBLASTX:Soybean
Start	1019	End	1833
GI	none	Score	59
Exons	1019..1090, 1042..1098, 1050..1094, 1103..1261, 1156..1263, 1186..1266, 1282..1419, 1286..1438, 1445..1816, 1447..1527, 1499..1738, 1666..1833		

Seq. No.	18054	Seq. ID	OJ991026_12.0202.C16
Gene No.	37817	Strand	+
Start	1011	End	2036
Name	OJ991026_12.0202.C16.o1.tm	Method	TBLASTX:Maize
Start	1021	End	1987
GI	none	Score	54
Exons	1021..1101, 1022..1090, 1103..1456, 1145..1411, 1183..1413, 1448..1987, 1451..1771, 1462..1842, 1888..1986		

Seq. No.	18054	Seq. ID	OJ991026_12.0202.C16
Gene No.	37817	Strand	+
Start	1011	End	2036
Name	OJ991026_12.0202.C16.o1.tw	Method	TBLASTX:Wheat
Start	1097	End	1501
GI	none	Score	308
Exons	1097..1432, 1192..1422, 1442..1501, 1444..1500		

Seq. No.	18054	Seq. ID	OJ991026_12.0202.C16
Gene No.	37817	Strand	+
Start	1011	End	2036
Name	OJ991026_12.0202.C16.o2.tw	Method	TBLASTX:Wheat
Start	1502	End	1780
GI	none	Score	138
Exons	1502..1630, 1576..1617, 1631..1780, 1646..1771, 1663..1776		

Seq. No.	18055	Seq. ID	OJ991026_12.0202.C17
Gene No.	37818	Strand	-
Start	1183	End	2028
Name	OJ991026_12.0202.C17.o1.np	Method	AAT/NAP
Start	1183	End	2028
GI	3355308	Score	622
Exons	1183..2028		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	18055	Seq. ID	OJ991026_12.0202.C17
Gene No.	37818	Strand	-
Start	1183	End	2028
Name	OJ991026_12.0202.C17.o1.tc	Method	TBLASTX:Cress
Start	1327	End	2028
GI	none	Score	91
Exons	1327..1887, 1345..1503, 1583..1882, 1900..1956, 1956..2021, 1956..2018, 1957..2028		

Seq. No.	18055	Seq. ID	OJ991026_12.0202.C17
Gene No.	37818	Strand	-
Start	1183	End	2028
Name	OJ991026_12.0202.C17.o1.tm	Method	TBLASTX:Maize
Start	1352	End	1895
GI	none	Score	89
Exons	1352..1459, 1354..1887, 1357..1485, 1397..1888, 1605..1895		

Seq. No.	18055	Seq. ID	OJ991026_12.0202.C17
Gene No.	37818	Strand	-
Start	1183	End	2028
Name	OJ991026_12.0202.C17.o1.ts	Method	TBLASTX:Soybean
Start	1492	End	2028
GI	none	Score	256
Exons	1492..1533, 1519..1893, 1520..1891, 1897..1956, 1956..2018, 1957..2028		

Seq. No.	18055	Seq. ID	OJ991026_12.0202.C17
Gene No.	37818	Strand	-
Start	1183	End	2028
Name	OJ991026_12.0202.C17.o1.tw	Method	TBLASTX:Wheat
Start	1558	End	1956
GI	none	Score	125
Exons	1558..1701, 1559..1699, 1682..1810, 1702..1956		

Seq. No.	18056	Seq. ID	OJ991026_12.0202.C18
Gene No.	37819	Strand	-
Start	124	End	1354
Name	OJ991026_12.0202.C18.o1.gs	Method	GENSCAN
Start	124	End	1354
GI	none	Score	.77
Exons	124..368, 475..1354		

Seq. No.	18056	Seq. ID	OJ991026_12.0202.C18
Gene No.	37820	Strand	-
Start	1787	End	2027
Name	OJ991026_12.0202.C18.o2.gs	Method	GENSCAN
Start	1787	End	2027
GI	none	Score	.98
Exons	1787..1953, 1979..2027		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o2.np	Method	AAT/NAP
Start	1743	End	7062
GI	5734709	Score	507
Exons	1743..2798, 3512..3799, 4852..5127, 6657..6696, 7012..7062		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o1.np	Method	AAT/NAP
Start	1751	End	4165
GI	3355308	Score	1030
Exons	1751..2901, 3017..3205, 3316..4165		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o2.gs	Method	GENSCAN

Start	1800	End	4950
GI	none	Score	.61
Exons	1800..2929, 3316..4072, 4756..4950		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o1.ts	Method	TBLASTX:Soybean
Start	1872	End	2766
GI	none	Score	107
Exons	1872..2069, 2094..2270, 2152..2271, 2160..2273, 2280..2453, 2281..2373, 2301..2447, 2472..2765, 2485..2607, 2638..2766		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o1.tc	Method	TBLASTX:Cress
Start	1893	End	4090
GI	none	Score	98
Exons	1893..2453, 1894..2067, 2149..2448, 2457..2774, 2469..2765, 2473..2769, 3338..3427, 3452..3520, 3635..3715, 4028..4090		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o1.tm	Method	TBLASTX:Maize
Start	1897	End	2462
GI	none	Score	677
Exons	1897..2454, 1918..2103, 1920..2453, 1923..2462		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o2.tw	Method	TBLASTX:Wheat
Start	2118	End	2396
GI	none	Score	131
Exons	2118..2267, 2122..2268, 2280..2396		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o1.tw	Method	TBLASTX:Wheat
Start	2397	End	2754
GI	none	Score	41
Exons	2397..2477, 2400..2753, 2401..2448, 2469..2735, 2485..2754		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o3.tm	Method	TBLASTX:Maize
Start	2472	End	2865
GI	none	Score	73
Exons	2472..2771, 2483..2632, 2484..2753, 2485..2769, 2766..2864, 2800..2865		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-

Start	1800	End	7062
Name	OJ991026_12.0202.C19.o2.tm	Method	TBLASTX:Maize
Start	3704	End	4135
GI	none	Score	224
Exons	3704..3874, 3705..3875, 3736..3876, 3878..4135, 3880..4104, 3881..4123		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o1.gp	Method	AAT/GAP
Start	6168	End	6273
GI	LIB3434-004-P1-K1-B12	Score	175
Exons	6168..6273		
GI Descrip.	'2274790/dbj\|BAA21547.1\| 1.0e-144 (AB005620) RFL [Oryza sativa]'		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o3.gs	Method	GENSCAN
Start	6314	End	7006
GI	none	Score	.66
Exons	6314..7006		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o4.tm	Method	TBLASTX:Maize
Start	6326	End	7046
GI	none	Score	141
Exons	6326..6484, 6327..6479, 6482..6547, 6483..6542, 6488..6580, 6490..6579, 6695..6802, 6707..6847, 6753..6809, 6848..7045, 6849..7046		

Seq. No.	18057	Seq. ID	OJ991026_12.0202.C19
Gene No.	37821	Strand	-
Start	1800	End	7062
Name	OJ991026_12.0202.C19.o3.np	Method	AAT/NAP
Start	6329	End	7062
GI	6714422	Score	172
Exons	6329..7062		
GI Descrip.	(AC012328) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18058	Seq. ID	OJ991026_12.0202.C20
Gene No.	37822	Strand	+
Start	1	End	7389
Name	OJ991026_12.0202.C20.o2.np	Method	AAT/NAP
Start	1	End	7389
GI	6433962	Score	54
Exons	1..41, 3472..3547, 3714..3847, 7331..7389		
GI Descrip.	(Y19186) aczonin [Mus musculus]		

Seq. No.	18058	Seq. ID	OJ991026_12.0202.C20
Gene No.	37822	Strand	+
Start	1	End	7389
Name	OJ991026_12.0202.C20.o1.gp	Method	AAT/GAP
Start	2423	End	2599

GI	28571_1.R1084	Score	224
Exons	2423..2537, 2565..2599		
GI Descrip.	'5922622/dbj\|BAA84623.1\| 4.0e-18 (AP000492) EST D46034(S10428) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] >gi_6016855_dbj_BAA85198.1_ (AP000570) EST D46034(S10428) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	18058	Seq. ID	OJ991026_12.0202.C20
Gene No.	37822	Strand	+
Start	1	End	7389
Name	OJ991026_12.0202.C20.o3.np	Method	AAT/NAP
Start	4544	End	6033
GI	5852093	Score	59
Exons	4544..4588, 5891..6033		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	18058	Seq. ID	OJ991026_12.0202.C20
Gene No.	37823	Strand	-
Start	1	End	4117
Name	OJ991026_12.0202.C20.o1.np	Method	AAT/NAP
Start	1	End	3507
GI	6714422	Score	380
Exons	1..48, 1384..1558, 3326..3507		
GI Descrip.	(AC012328) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18058	Seq. ID	OJ991026_12.0202.C20
Gene No.	37823	Strand	-
Start	1	End	4117
Name	OJ991026_12.0202.C20.o1.gs	Method	GENSCAN
Start	543	End	4117
GI	none	Score	.81
Exons	543..1558, 3342..3384, 3749..4117		

Seq. No.	18058	Seq. ID	OJ991026_12.0202.C20
Gene No.	37823	Strand	-
Start	1	End	4117
Name	OJ991026_12.0202.C20.o1.ts	Method	TBLASTX:Soybean
Start	1450	End	3487
GI	none	Score	116
Exons	1450..1557, 1454..1558, 3325..3480, 3326..3487		

Seq. No.	18058	Seq. ID	OJ991026_12.0202.C20
Gene No.	37823	Strand	-
Start	1	End	4117
Name	OJ991026_12.0202.C20.o2.gp	Method	AAT/GAP
Start	3538	End	3845
GI	none	Score	612
Exons	3538..3845		

Seq. No.	18059	Seq. ID	OJ991026_12.0202.C21
Gene No.	37824	Strand	-
Start	35	End	1858
Name	OJ991026_12.0202.C21.o1.gs	Method	GENSCAN
Start	35	End	1858
GI	none	Score	.56
Exons	35..263, 323..435, 1106..1525, 1718..1858		

Seq. No.	18059	Seq. ID	OJ991026_12.0202.C21
Gene No.	37824	Strand	-
Start	35	End	1858
Name	OJ991026_12.0202.C21.o1.np	Method	AAT/NAP
Start	904	End	1549
GI	4432817	Score	276
Exons	904..1002, 1106..1549		
GI Descrip.	(AC006593) unknown protein [Arabidopsis thaliana]		

Seq. No.	18059	Seq. ID	OJ991026_12.0202.C21
Gene No.	37824	Strand	-
Start	35	End	1858
Name	OJ991026_12.0202.C21.o1.tm	Method	TBLASTX:Maize
Start	904	End	1422
GI	none	Score	75
Exons	904..1008, 907..1005, 909..1031, 1091..1420, 1092..1418, 1103..1420, 1110..1421, 1186..1422		

Seq. No.	18060	Seq. ID	OJ991026_12.0202.C22
Gene No.	37825	Strand	-
Start	30	End	795
Name	OJ991026_12.0202.C22.o1.gs	Method	GENSCAN
Start	30	End	795
GI	none	Score	.79
Exons	30..795		

Seq. No.	18060	Seq. ID	OJ991026_12.0202.C22
Gene No.	37826	Strand	-
Start	2791	End	4469
Name	OJ991026_12.0202.C22.o2.gs	Method	GENSCAN
Start	2791	End	4469
GI	none	Score	.83
Exons	2791..3006, 3536..3574, 3729..3875, 4401..4469		

Seq. No.	18061	Seq. ID	OJ991026_12.0202.C23
Gene No.	37827	Strand	+
Start	7	End	4624
Name	OJ991026_12.0202.C23.o1.gs	Method	GENSCAN
Start	7	End	4624
GI	none	Score	.75
Exons	7..57, 469..555, 1098..1142, 3071..3127, 3401..3550, 3964..4041, 4168..4274, 4582..4624		

Seq. No.	18061	Seq. ID	OJ991026_12.0202.C23
Gene No.	37827	Strand	+
Start	7	End	4624
Name	OJ991026_12.0202.C23.o1.np	Method	AAT/NAP
Start	455	End	4403
GI	4585925	Score	586
Exons	455..555, 948..989, 1098..1142, 2941..3006, 3071..3127, 3238..3299, 3430..3550, 3964..4041, 4168..4274, 4376..4403		
GI Descrip.	(AC007211) unknown protein [Arabidopsis thaliana]		

Seq. No.	18061	Seq. ID	OJ991026_12.0202.C23
Gene No.	37828	Strand	-
Start	5357	End	8076

Name	OJ991026_12.0202.C23.o1.tm	Method	TBLASTX:Maize
Start	463	End	3522
GI	none	Score	125
Exons	463..555, 466..555, 468..560, 932..988, 945..989, 1097..1144, 1098..1145, 2926..3009, 2938..2997, 2940..3008, 3056..3127, 3056..3127, 3230..3301, 3237..3302, 3238..3336, 3419..3520, 3424..3522		

Seq. No.	18061	Seq. ID	OJ991026_12.0202.C23
Gene No.	37828	Strand	-
Start	5357	End	8076
Name	OJ991026_12.0202.C23.o1.tc	Method	TBLASTX:Cress
Start	511	End	3463
GI	none	Score	71
Exons	511..555, 2926..3009, 3056..3127, 3228..3302, 3232..3300, 3419..3463, 3430..3462		

Seq. No.	18061	Seq. ID	OJ991026_12.0202.C23
Gene No.	37828	Strand	-
Start	5357	End	8076
Name	OJ991026_12.0202.C23.o1.tw	Method	TBLASTX:Wheat
Start	2917	End	3487
GI	none	Score	106
Exons	2917..3009, 2938..3006, 2940..3008, 3038..3127, 3038..3127, 3069..3128, 3070..3129, 3228..3302, 3231..3299, 3232..3300, 3235..3348, 3414..3482, 3419..3487, 3424..3486, 3428..3487		

Seq. No.	18061	Seq. ID	OJ991026_12.0202.C23
Gene No.	37828	Strand	-
Start	5357	End	8076
Name	OJ991026_12.0202.C23.o1.ts	Method	TBLASTX:Soybean
Start	3080	End	4259
GI	4395756	Score	66
Exons	3080..3154, 3237..3302, 3238..3300, 3414..3551, 3419..3553, 3424..3549, 3425..3550, 3961..4044, 3966..4034, 4156..4257, 4167..4259		
GI Descrip.	1352904/sp_P47140_YJ70_YEAST 4.0e-13 HYPOTHETICAL 37.5 KD PROTEIN IN YUH1-URA8 INTERGENIC REGION >gi_1077903_pir__S57121 hypothetical protein YJR100c - yeast (Saccharomyces cerevisiae) >gi_1015804_emb_CAA89630_ (Z49600) ORF YJR100c [Saccharomyces cerevisiae]		

Seq. No.	18061	Seq. ID	OJ991026_12.0202.C23
Gene No.	37828	Strand	-
Start	5357	End	8076
Name	OJ991026_12.0202.C23.o2.tc	Method	TBLASTX:Cress
Start	3464	End	4418
GI	none	Score	160
Exons	3464..3553, 3464..3550, 3466..3558, 3466..3552, 3963..4079, 3963..4040, 4156..4284, 4161..4283, 4376..4417, 4377..4418		

Seq. No.	18061	Seq. ID	OJ991026_12.0202.C23
Gene No.	37828	Strand	-
Start	5357	End	8076
Name	OJ991026_12.0202.C23.o2.tm	Method	TBLASTX:Maize
Start	3956	End	4412
GI	none	Score	61

Exons	3956..4042, 3956..4042, 3957..4046, 3957..4043, 3964..4062, 4168..4284, 4170..4286, 4170..4283, 4376..4408, 4377..4412		
Seq. No.	18061	Seq. ID	OJ991026_12.0202.C23
Gene No.	37828	Strand	-
Start	5357	End	8076
Name	OJ991026_12.0202.C23.o2.np	Method	AAT/NAP
Start	5357	End	8076
GI	3914880	Score	62
Exons	5357..5445, 6364..6585, 8053..8076		
GI Descrip.	40S RIBOSOMAL PROTEIN S2 gi\|2746717 (AF038379) ribosomal protein S2 [Leishmania amazonensis]		
Seq. No.	18062	Seq. ID	OJ991026_12.0202.C24
Gene No.	37829	Strand	+
Start	1	End	1013
Name	OJ991026_12.0202.C24.o1.np	Method	AAT/NAP
Start	1	End	1013
GI	6686402	Score	444
Exons	1..737, 774..1013		
GI Descrip.	(AC007234) F1E22.16 [Arabidopsis thaliana]		
Seq. No.	18062	Seq. ID	OJ991026_12.0202.C24
Gene No.	37829	Strand	+
Start	1	End	1013
Name	OJ991026_12.0202.C24.o1.tm	Method	TBLASTX:Maize
Start	48	End	485
GI	none	Score	172
Exons	48..248, 98..232, 348..485		
Seq. No.	18062	Seq. ID	OJ991026_12.0202.C24
Gene No.	37829	Strand	+
Start	1	End	1013
Name	OJ991026_12.0202.C24.o1.ts	Method	TBLASTX:Soybean
Start	51	End	233
GI	5753266	Score	189
Exons	51..233, 78..230, 95..232		
GI Descrip.	-		
Seq. No.	18062	Seq. ID	OJ991026_12.0202.C24
Gene No.	37829	Strand	+
Start	1	End	1013
Name	OJ991026_12.0202.C24.o1.gs	Method	GENSCAN
Start	330	End	983
GI	none	Score	.49
Exons	330..983		
Seq. No.	18063	Seq. ID	OJ991026_12.0202.C26
Gene No.	37830	Strand	-
Start	346	End	555
Name	OJ991026_12.0202.C26.o1.gs	Method	GENSCAN
Start	346	End	555
GI	none	Score	.51
Exons	346..555		
Seq. No.	18064	Seq. ID	OJ991026_12.0202.C27
Gene No.	37831	Strand	+

Start	49	End	633
Name	OJ991026_12.0202.C27.o1.gs	Method	GENSCAN
Start	49	End	592
GI	none	Score	.97
Exons	49..137, 367..592		

Seq. No.	18064	Seq. ID	OJ991026_12.0202.C27
Gene No.	37831	Strand	+
Start	49	End	633
Name	OJ991026_12.0202.C27.o1.np	Method	AAT/NAP
Start	362	End	633
GI	6714436	Score	146
Exons	362..633		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	18064	Seq. ID	OJ991026_12.0202.C27
Gene No.	37832	Strand	-
Start	365	End	633
Name	OJ991026_12.0202.C27.o1.tm	Method	TBLASTX:Maize
Start	364	End	631
GI	none	Score	307
Exons	364..630, 365..631, 578..631		

Seq. No.	18064	Seq. ID	OJ991026_12.0202.C27
Gene No.	37832	Strand	-
Start	365	End	633
Name	OJ991026_12.0202.C27.o1.tw	Method	TBLASTX:Wheat
Start	364	End	492
GI	none	Score	198
Exons	364..492, 365..490, 379..492		

Seq. No.	18064	Seq. ID	OJ991026_12.0202.C27
Gene No.	37832	Strand	-
Start	365	End	633
Name	OJ991026_12.0202.C27.o1.gp	Method	AAT/GAP
Start	365	End	633
GI	1015_1.R1084	Score	523
Exons	365..633		
GI Descrip.	'1218053/gb\|U49113\|OSU49113 1.0e-86 Oryza sativa protein phosphatase 2A mRNA, complete cds'		

Seq. No.	18065	Seq. ID	OJ991026_12.0202.C28
Gene No.	37833	Strand	+
Start	149	End	467
Name	OJ991026_12.0202.C28.o1.gs	Method	GENSCAN
Start	149	End	467
GI	none	Score	.94
Exons	149..467		

Seq. No.	18066	Seq. ID	OJ991026_12.0202.C29
Gene No.	37834	Strand	+
Start	179	End	545
Name	OJ991026_12.0202.C29.o1.gs	Method	GENSCAN
Start	179	End	545
GI	none	Score	.65
Exons	179..366, 492..545		

Seq. No.	18067	Seq. ID	OJ991026_12.0202.C30
Gene No.	37835	Strand	-
Start	232	End	334
Name	OJ991026_12.0202.C30.o1.gs	Method	GENSCAN
Start	232	End	334
GI	none	Score	.87
Exons	232..334		

Seq. No.	18068	Seq. ID	OJ991026_12.0202.C32
Gene No.	37836	Strand	+
Start	1	End	444
Name	OJ991026_12.0202.C32.o1.np	Method	AAT/NAP
Start	1	End	436
GI	6686402	Score	193
Exons	1..436		
GI Descrip.	(AC007234) F1E22.16 [Arabidopsis thaliana]		

Seq. No.	18068	Seq. ID	OJ991026_12.0202.C32
Gene No.	37836	Strand	+
Start	1	End	444
Name	OJ991026_12.0202.C32.o1.ts	Method	TBLASTX:Soybean
Start	97	End	409
GI	none	Score	187
Exons	97..300, 108..293, 368..409		

Seq. No.	18068	Seq. ID	OJ991026_12.0202.C32
Gene No.	37836	Strand	+
Start	1	End	444
Name	OJ991026_12.0202.C32.o1.gs	Method	GENSCAN
Start	112	End	436
GI	none	Score	.6
Exons	112..436		

Seq. No.	18068	Seq. ID	OJ991026_12.0202.C32
Gene No.	37836	Strand	+
Start	1	End	444
Name	OJ991026_12.0202.C32.o1.tm	Method	TBLASTX:Maize
Start	112	End	444
GI	none	Score	167
Exons	112..300, 120..275, 313..444, 313..357		

Seq. No.	18069	Seq. ID	OJ991026_12.0202.C33
Gene No.	37837	Strand	+
Start	56	End	589
Name	OJ991026_12.0202.C33.o1.gs	Method	GENSCAN
Start	56	End	589
GI	none	Score	.82
Exons	56..297, 532..589		

Seq. No.	18070	Seq. ID	OJ991026_12.0202.C36
Gene No.	37838	Strand	+
Start	116	End	637
Name	OJ991026_12.0202.C36.o1.gs	Method	GENSCAN
Start	116	End	637
GI	none	Score	.61
Exons	116..283, 430..637		

Seq. No.	18071	Seq. ID	OJ991026_12.0202.C39
Gene No.	37839	Strand	+
Start	106	End	2013
Name	OJ991026_12.0202.C39.o1.gp	Method	AAT/GAP
Start	106	End	570
GI	none	Score	922
Exons	106..570		

Seq. No.	18071	Seq. ID	OJ991026_12.0202.C39
Gene No.	37839	Strand	+
Start	106	End	2013
Name	OJ991026_12.0202.C39.o1.gs	Method	GENSCAN
Start	444	End	2013
GI	none	Score	.8
Exons	444..1181, 1263..1387, 1568..1846, 1884..2013		

Seq. No.	18071	Seq. ID	OJ991026_12.0202.C39
Gene No.	37840	Strand	+
Start	2800	End	2939
Name	OJ991026_12.0202.C39.o2.gp	Method	AAT/GAP
Start	2800	End	2939
GI	uC-osrocyp027d02b1	Score	250
Exons	2800..2939		
GI Descrip.	'629206/pir\|\|JC2313 2.0e-11 nitrile hydratase (EC 4.2.1.84) beta chain - Rhodococcus sp >gi_1311476_dbj_BAA06274_ (D30033) ORF1188 [Rhodococcus sp.] >gi_4126499_dbj_BAA36599.1_ (AB016078) nitrile hydratase activator [Rhodococcus sp. N-771] >gi_1091876_prf__2022176A nitrile hydratase downstream ORF 1188 [Rhodococcus sp.]'		

Seq. No.	18071	Seq. ID	OJ991026_12.0202.C39
Gene No.	37841	Strand	-
Start	2353	End	2934
Name	OJ991026_12.0202.C39.o2.gs	Method	GENSCAN
Start	2353	End	2934
GI	none	Score	.69
Exons	2353..2361, 2773..2934		

Seq. No.	18072	Seq. ID	OJ991026_14.0218.C1
Gene No.	37842	Strand	-
Start	107	End	385
Name	OJ991026_14.0218.C1.o1.np	Method	AAT/NAP
Start	107	End	385
GI	6815062	Score	204
Exons	107..181, 227..385		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	18072	Seq. ID	OJ991026_14.0218.C1
Gene No.	37842	Strand	-
Start	107	End	385
Name	OJ991026_14.0218.C1.o1.gs	Method	GENSCAN
Start	119	End	328
GI	none	Score	.69
Exons	119..328		

Seq. No.	18073	Seq. ID	OJ991026_14.0218.C2
Gene No.	37843	Strand	+
Start	196	End	332
Name	OJ991026_14.0218.C2.o1.gs	Method	GENSCAN
Start	196	End	332
GI	none	Score	.89
Exons	196..332		

Seq. No.	18074	Seq. ID	OJ991026_14.0218.C3
Gene No.	37844	Strand	+
Start	17877	End	19486
Name	OJ991026_14.0218.C3.o2.gs	Method	GENSCAN
Start	17877	End	19486
GI	none	Score	.61
Exons	17877..17914, 18053..18116, 18147..18282, 18747..19033, 19307..19486		

Seq. No.	18074	Seq. ID	OJ991026_14.0218.C3
Gene No.	37845	Strand	+
Start	24477	End	27873
Name	OJ991026_14.0218.C3.o4.gs	Method	GENSCAN
Start	24477	End	27873
GI	none	Score	.65
Exons	24477..24741, 24909..25016, 25103..25286, 25790..26014, 26362..26497, 27592..27873		

Seq. No.	18074	Seq. ID	OJ991026_14.0218.C3
Gene No.	37845	Strand	+
Start	24477	End	27873
Name	OJ991026_14.0218.C3.o2.np	Method	AAT/NAP
Start	24478	End	27870
GI	4733937	Score	547
Exons	24478..24741, 24909..25286, 25790..26010, 26358..26497, 26951..27246, 27627..27870		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	18074	Seq. ID	OJ991026_14.0218.C3
Gene No.	37846	Strand	-
Start	9122	End	22599
Name	OJ991026_14.0218.C3.o1.np	Method	AAT/NAP
Start	9122	End	22599
GI	5091513	Score	1628
Exons	9122..9362, 10489..10940, 11032..11754, 12462..13318, 16655..16801, 22007..22282, 22527..22599		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	18074	Seq. ID	OJ991026_14.0218.C3
Gene No.	37846	Strand	-
Start	9122	End	22599
Name	OJ991026_14.0218.C3.o2.gp	Method	AAT/GAP
Start	14274	End	14593
GI	72524_1.R1084	Score	401
Exons	14274..14593		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	18074	Seq. ID	OJ991026_14.0218.C3

Gene No.	37847	Strand	
Start	25023	End	27193
Name	OJ991026_14.0218.C3.o2.tm	Method	TBLASTX:Maize
Start	25023	End	27193
GI	none	Score	195
Exons	25023..25277, 25030..25284, 25791..25967, 25791..25964, 26366..26491, 26951..27106, 27107..27193		

Seq. No.	18074	Seq. ID	OJ991026_14.0218.C3
Gene No.	37848	Strand	
Start	27143	End	27876
Name	OJ991026_14.0218.C3.o1.tw	Method	TBLASTX:Wheat
Start	27143	End	27876
GI	none	Score	64
Exons	27143..27193, 27589..27717, 27594..27716, 27729..27869, 27733..27876, 27748..27873		

Seq. No.	18074	Seq. ID	OJ991026_14.0218.C3
Gene No.	37848	Strand	
Start	27143	End	27876
Name	OJ991026_14.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	27618	End	27863
GI	none	Score	216
Exons	27618..27863, 27619..27861		

Seq. No.	18075	Seq. ID	OJ991026_14.0218.C4
Gene No.	37849	Strand	+
Start	844	End	2023
Name	OJ991026_14.0218.C4.o1.gs	Method	GENSCAN
Start	844	End	2023
GI	none	Score	.63
Exons	844..1357, 1941..2023		

Seq. No.	18075	Seq. ID	OJ991026_14.0218.C4
Gene No.	37849	Strand	+
Start	844	End	2023
Name	OJ991026_14.0218.C4.o1.np	Method	AAT/NAP
Start	899	End	1576
GI	6957518	Score	442
Exons	899..1576		
GI Descrip.	(AC022288) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18075	Seq. ID	OJ991026_14.0218.C4
Gene No.	37850	Strand	-
Start	2709	End	3011
Name	OJ991026_14.0218.C4.o3.tm	Method	TBLASTX:Maize
Start	236	End	867
GI	none	Score	45
Exons	236..361, 238..363, 243..287, 244..366, 303..365, 353..475, 365..478, 371..484, 371..478, 374..484, 379..483, 399..470, 454..483, 498..632, 505..630, 509..649, 509..637, 515..634, 516..668, 516..680, 527..628, 527..637, 528..716, 531..683, 531..680, 551..682, 618..710, 619..711, 672..764, 673..759, 699..851, 707..850, 708..854, 711..851, 713..850, 729..866, 745..867, 749..844, 759..845		

Seq. No.	18075	Seq. ID	OJ991026_14.0218.C4

Gene No.	37850	Strand	-
Start	2709	End	3011
Name	OJ991026_14.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	892	End	1464
GI	none	Score	106
Exons	892..1041, 901..1017, 1054..1188, 1242..1463, 1243..1464		

Seq. No.	18075	Seq. ID	OJ991026_14.0218.C4
Gene No.	37850	Strand	-
Start	2709	End	3011
Name	OJ991026_14.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	901	End	1464
GI	none	Score	182
Exons	901..1155, 1169..1207, 1263..1409, 1264..1464, 1286..1456		

Seq. No.	18075	Seq. ID	OJ991026_14.0218.C4
Gene No.	37850	Strand	-
Start	2709	End	3011
Name	OJ991026_14.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	1066	End	1464
GI	none	Score	90
Exons	1066..1185, 1273..1464		

Seq. No.	18075	Seq. ID	OJ991026_14.0218.C4
Gene No.	37850	Strand	-
Start	2709	End	3011
Name	OJ991026_14.0218.C4.o2.gs	Method	GENSCAN
Start	2709	End	3011
GI	none	Score	.53
Exons	2709..3011		

Seq. No.	18075	Seq. ID	OJ991026_14.0218.C4
Gene No.	37850	Strand	-
Start	2709	End	3011
Name	OJ991026_14.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	2715	End	2966
GI	none	Score	64
Exons	2715..2966, 2727..2915, 2770..2949		

Seq. No.	18075	Seq. ID	OJ991026_14.0218.C4
Gene No.	37850	Strand	-
Start	2709	End	3011
Name	OJ991026_14.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	2715	End	2996
GI	none	Score	81
Exons	2715..2858, 2718..2849, 2859..2996, 2869..2949		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37851	Strand	+
Start	6450	End	12186
Name	OJ991026_14.0218.C5.o3.np	Method	AAT/NAP
Start	6450	End	12186
GI	5902444	Score	829
Exons	6450..6484, 8784..9010, 9409..10776, 12119..12186		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5

Gene No.	37851	Strand	+
Start	6450	End	12186
Name	OJ991026_14.0218.C5.o2.gs	Method	GENSCAN
Start	7552	End	8723
GI	none	Score	.81
Exons	7552..7703, 7843..8281, 8298..8723		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37852	Strand	-
Start	788	End	5345
Name	OJ991026_14.0218.C5.o1.gs	Method	GENSCAN
Start	788	End	5345
GI	none	Score	.61
Exons	788..1013, 1106..1264, 1284..1425, 1500..1648, 1915..2022, 2150..2374, 2834..3017, 3105..3212, 3380..3563, 5076..5345		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37852	Strand	-
Start	788	End	5345
Name	OJ991026_14.0218.C5.o1.np	Method	AAT/NAP
Start	1887	End	5165
GI	3287832	Score	466
Exons	1887..2022, 2150..2374, 2834..3212, 3380..3625, 5027..5165		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE (D-CADINENE SYNTHASE) gi\|1843647 (U88318) (+)-delta-cadinene synthase [Gossypium hirsutum]		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37853	Strand	-
Start	5988	End	7894
Name	OJ991026_14.0218.C5.o2.np	Method	AAT/NAP
Start	5988	End	7894
GI	6721512	Score	165
Exons	5988..6005, 7535..7578, 7621..7751, 7779..7894		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37854	Strand	-
Start	14378	End	17410
Name	OJ991026_14.0218.C5.o5.gs	Method	GENSCAN
Start	14378	End	17410
GI	none	Score	.54
Exons	14378..14619, 15002..15096, 16266..16385, 16459..16629, 17325..17410		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37855	Strand	-
Start	19212	End	22793
Name	OJ991026_14.0218.C5.o1.gp	Method	AAT/GAP
Start	18972	End	22695
GI	1514_1.R1084	Score	2688
Exons	18972..19550, 19778..20109, 22094..22294, 22403..22695		
GI Descrip.	'2462763 1.0e-132 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37855	Strand	-
Start	19212	End	22793

Name	OJ991026_14.0218.C5.o6.gs	Method	GENSCAN
Start	19212	End	22636
GI	none	Score	.99
Exons	19212..19550, 22094..22294, 22403..22636		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37855	Strand	-
Start	19212	End	22793
Name	OJ991026_14.0218.C5.o4.np	Method	AAT/NAP
Start	19215	End	22624
GI	2462763	Score	1205
Exons	19215..19550, 19785..19881, 19940..20109, 22094..22294, 22403..22624		
GI Descrip.	(AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37855	Strand	-
Start	19212	End	22793
Name	OJ991026_14.0218.C5.o2.gp	Method	AAT/GAP
Start	22090	End	22793
GI	1514_2.R1084	Score	988
Exons	22090..22294, 22403..22793		
GI Descrip.	'2462763 1.0e-121 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o3.tm	Method	TBLASTX:Maize
Start	1893	End	3111
GI	none	Score	67
Exons	1893..2018, 1903..2019, 2197..2373, 2200..2373, 2836..3111, 2843..3106		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o2.tc	Method	TBLASTX:Cress
Start	2188	End	3213
GI	none	Score	208
Exons	2188..2373, 2830..3213		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o2.tw	Method	TBLASTX:Wheat
Start	9410	End	9793
GI	none	Score	52
Exons	9410..9451, 9452..9565, 9454..9528, 9539..9793, 9571..9684		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o3.tw	Method	TBLASTX:Wheat
Start	10434	End	10769
GI	none	Score	141

Exons	10434..10616, 10442..10543, 10653..10769, 10655..10741		
Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	19208	End	20106
GI	none	Score	347
Exons	19208..19324, 19212..19553, 19212..19553, 19213..19557, 19797..19880, 19801..19878, 19807..19881, 19926..20102, 19945..20106, 19946..20068, 19948..20103		
Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o2.ts	Method	TBLASTX:Soybean
Start	19213	End	19446
GI	none	Score	62
Exons	19213..19263, 19218..19262, 19272..19445, 19275..19445, 19276..19446, 19285..19446		
Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o1.tc	Method	TBLASTX:Cress
Start	19365	End	22607
GI	none	Score	147
Exons	19365..19547, 19369..19548, 19786..19878, 19830..19880, 19945..20127, 19946..20068, 19948..20133, 22088..22150, 22091..22297, 22185..22295, 22403..22606, 22425..22607		
Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	19447	End	22607
GI	none	Score	100
Exons	19447..19557, 19449..19553, 19797..19880, 19804..19878, 19945..20127, 19946..20068, 22091..22297, 22095..22133, 22185..22295, 22403..22606, 22431..22607		
Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o4.tm	Method	TBLASTX:Maize
Start	22087	End	22234
GI	none	Score	122
Exons	22087..22176, 22091..22234		
Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o1.tw	Method	TBLASTX:Wheat
Start	22223	End	22607
GI	none	Score	77
Exons	22223..22297, 22227..22295, 22403..22606, 22425..22607		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o2.tm	Method	TBLASTX:Maize
Start	22238	End	22607
GI	none	Score	261
Exons	22238..22297, 22403..22606, 22425..22607		

Seq. No.	18076	Seq. ID	OJ991026_14.0218.C5
Gene No.	37856	Strand	-
Start	23359	End	25462
Name	OJ991026_14.0218.C5.o7.gs	Method	GENSCAN
Start	23359	End	25462
GI	none	Score	.54
Exons	23359..23448, 24884..24938, 25230..25462		

Seq. No.	18077	Seq. ID	OJ991026_14.0218.C6
Gene No.	37857	Strand	-
Start	933	End	3672
Name	OJ991026_14.0218.C6.o1.gp	Method	AAT/GAP
Start	933	End	3672
GI	1514_2.R1084	Score	1686
Exons	933..1573, 2103..2205, 2370..2462, 3572..3672		
GI Descrip.	'2462763 1.0e-121 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	18077	Seq. ID	OJ991026_14.0218.C6
Gene No.	37857	Strand	-
Start	933	End	3672
Name	OJ991026_14.0218.C6.o1.gs	Method	GENSCAN
Start	1229	End	3626
GI	none	Score	.89
Exons	1229..1573, 2103..2205, 2290..2462, 3572..3626		

Seq. No.	18077	Seq. ID	OJ991026_14.0218.C6
Gene No.	37857	Strand	-
Start	933	End	3672
Name	OJ991026_14.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	1229	End	2464
GI	none	Score	58
Exons	1229..1276, 1229..1279, 1230..1283, 1295..1576, 1295..1573, 1296..1580, 1296..1574, 2032..2211, 2103..2207, 2104..2208, 2289..2459, 2290..2460, 2291..2464		

Seq. No.	18077	Seq. ID	OJ991026_14.0218.C6
Gene No.	37857	Strand	-
Start	933	End	3672
Name	OJ991026_14.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	1230	End	1570
GI	none	Score	61
Exons	1230..1280, 1235..1279, 1301..1570, 1308..1568		

Seq. No.	18077	Seq. ID	OJ991026_14.0218.C6
Gene No.	37857	Strand	-
Start	933	End	3672
Name	OJ991026_14.0218.C6.o1.np	Method	AAT/NAP
Start	1232	End	3672

GI	2462763	Score	863
Exons	1232..1573, 2112..2205, 2290..2462, 3572..3672		
GI Descrip.	(AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]		

Seq. No.	18077	Seq. ID	OJ991026_14.0218.C6
Gene No.	37857	Strand	-
Start	933	End	3672
Name	OJ991026_14.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	1235	End	1472
GI	none	Score	44
Exons	1235..1282, 1236..1268, 1301..1471, 1302..1472		

Seq. No.	18077	Seq. ID	OJ991026_14.0218.C6
Gene No.	37857	Strand	-
Start	933	End	3672
Name	OJ991026_14.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	1472	End	3670
GI	none	Score	91
Exons	1472..1570, 2065..2208, 2103..2207, 2289..2462, 2289..2462, 2290..2463, 3569..3670, 3573..3668		

Seq. No.	18077	Seq. ID	OJ991026_14.0218.C6
Gene No.	37857	Strand	-
Start	933	End	3672
Name	OJ991026_14.0218.C6.o2.tc	Method	TBLASTX:Cress
Start	2103	End	3670
GI	none	Score	68
Exons	2103..2159, 2155..2211, 2157..2207, 2289..2462, 2289..2462, 2290..2463, 3569..3670, 3573..3668		

Seq. No.	18078	Seq. ID	OJ991026_14.0218.C7
Gene No.	37858	Strand	-
Start	1	End	330
Name	OJ991026_14.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	273
GI	728744	Score	305
Exons	1..273		
GI Descrip.	AUXIN-INDUCED PROTEIN PCNT115 gi\|100305\|pir\|\|S16390 auxin-induced protein - common tobacco gi\|19799\|emb\|CAA39708\| (X56267) auxin-induced protein [Nicotiana tabacum]		

Seq. No.	18078	Seq. ID	OJ991026_14.0218.C7
Gene No.	37858	Strand	-
Start	1	End	330
Name	OJ991026_14.0218.C7.o1.tc	Method	TBLASTX:Cress
Start	41	End	253
GI	none	Score	231
Exons	41..253, 49..252		

Seq. No.	18078	Seq. ID	OJ991026_14.0218.C7
Gene No.	37858	Strand	-
Start	1	End	330
Name	OJ991026_14.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	44	End	253
GI	none	Score	274
Exons	44..253, 49..252		

Seq. No.	18078	Seq. ID	OJ991026_14.0218.C7
Gene No.	37858	Strand	-
Start	1	End	330
Name	OJ991026_14.0218.C7.o1.gp	Method	AAT/GAP
Start	45	End	330
GI	1514_2.R1084	Score	484
Exons	45..330		
GI Descrip.	'2462763 1.0e-121 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	18078	Seq. ID	OJ991026_14.0218.C7
Gene No.	37858	Strand	-
Start	1	End	330
Name	OJ991026_14.0218.C7.o1.gs	Method	GENSCAN
Start	49	End	282
GI	none	Score	.98
Exons	49..282		

Seq. No.	18078	Seq. ID	OJ991026_14.0218.C7
Gene No.	37858	Strand	-
Start	1	End	330
Name	OJ991026_14.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	49	End	253
GI	none	Score	280
Exons	49..252, 50..253		

Seq. No.	18078	Seq. ID	OJ991026_14.0218.C7
Gene No.	37858	Strand	-
Start	1	End	330
Name	OJ991026_14.0218.C7.o1.tw	Method	TBLASTX:Wheat
Start	49	End	253
GI	none	Score	279
Exons	49..252, 50..253		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395
Name	OJ991026_14.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	471	End	4276
GI	none	Score	89
Exons	471..557, 473..826, 475..834, 502..843, 642..842, 3919..3975, 3920..3976, 3973..4023, 3978..4031, 3980..4027, 4110..4241, 4111..4242, 4111..4275, 4112..4276		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395
Name	OJ991026_14.0218.C8.o1.gs	Method	GENSCAN
Start	493	End	7395
GI	none	Score	.66
Exons	493..831, 2290..2480, 3618..3664, 3755..3887, 3988..4025, 4111..4283, 6956..7084, 7162..7395		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395

Name	OJ991026_14.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	494	End	829
GI	none	Score	61
Exons	494..577, 505..828, 559..765, 650..829		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395
Name	OJ991026_14.0218.C8.o1.np	Method	AAT/NAP
Start	496	End	7383
GI	6562980	Score	1108
Exons	496..831, 3919..4025, 4111..4283, 6822..7025, 7162..7383		
GI Descrip.	(AF057715) auxin-induced atb2 [Arabidopsis thaliana]		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395
Name	OJ991026_14.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	608	End	841
GI	none	Score	85
Exons	608..832, 610..834, 636..833, 644..841		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395
Name	OJ991026_14.0218.C8.o2.tc	Method	TBLASTX:Cress
Start	3919	End	7365
GI	none	Score	74
Exons	3919..3975, 3965..4027, 3966..4031, 3966..4028, 4110..4241, 4111..4242, 4111..4275, 6819..7007, 6823..7008, 7151..7354, 7162..7365		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395
Name	OJ991026_14.0218.C8.o3.ts	Method	TBLASTX:Soybean
Start	3974	End	4285
GI	none	Score	66
Exons	3974..4027, 3978..4028, 4110..4220, 4110..4241, 4111..4242, 4193..4285		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395
Name	OJ991026_14.0218.C8.o3.tm	Method	TBLASTX:Maize
Start	6815	End	7008
GI	none	Score	109
Exons	6815..6895, 6819..6962, 6820..6963, 6958..7008, 6972..7007		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395
Name	OJ991026_14.0218.C8.o2.ts	Method	TBLASTX:Soybean
Start	6834	End	7365
GI	none	Score	184
Exons	6834..7013, 6835..7014, 7157..7354, 7162..7365		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395
Name	OJ991026_14.0218.C8.o1.tw	Method	TBLASTX:Wheat
Start	6951	End	7366
GI	none	Score	72
Exons	6951..7016, 6952..7017, 7162..7365, 7163..7366		

Seq. No.	18079	Seq. ID	OJ991026_14.0218.C8
Gene No.	37859	Strand	-
Start	493	End	7395
Name	OJ991026_14.0218.C8.o2.tm	Method	TBLASTX:Maize
Start	7162	End	7366
GI	none	Score	263
Exons	7162..7365, 7163..7366		

Seq. No.	18080	Seq. ID	OJ991026_14.0218.C9
Gene No.	37860	Strand	+
Start	1893	End	3205
Name	OJ991026_14.0218.C9.o1.np	Method	AAT/NAP
Start	1893	End	3205
GI	6815062	Score	2277
Exons	1893..3205		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	18080	Seq. ID	OJ991026_14.0218.C9
Gene No.	37860	Strand	+
Start	1893	End	3205
Name	OJ991026_14.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	1919	End	2464
GI	none	Score	137
Exons	1919..2041, 1923..2108, 2096..2464, 2097..2462		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37861	Strand	+
Start	1	End	4511
Name	OJ991026_14.0218.C10.o1.np	Method	AAT/NAP
Start	1	End	4261
GI	6815062	Score	3468
Exons	1..142, 402..474, 1427..2094, 2171..2362, 2455..2660, 2706..3051, 3132..3230, 3310..3670, 3983..4003, 4058..4261		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37861	Strand	+
Start	1	End	4511
Name	OJ991026_14.0218.C10.o1.gs	Method	GENSCAN
Start	21	End	4511
GI	none	Score	.59
Exons	21..221, 402..474, 1150..1175, 1502..1998, 2013..2094, 2171..2362, 2455..2543, 2757..3051, 3132..3230, 3310..3680, 4274..4511		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37862	Strand	-
Start	6934	End	7280
Name	OJ991026_14.0218.C10.o1.gp	Method	AAT/GAP
Start	6934	End	7280
GI	4714157	Score	638
Exons	6934..7280		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37863	Strand	-
Start	7251	End	11955
Name	OJ991026_14.0218.C10.o3.gs	Method	GENSCAN
Start	7251	End	11955
GI	none	Score	.57
Exons	7251..7589, 8199..8301, 9801..9900, 10571..10621, 10861..10960, 11413..11616, 11722..11955		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37863	Strand	-
Start	7251	End	11955
Name	OJ991026_14.0218.C10.o2.np	Method	AAT/NAP
Start	7257	End	11934
GI	2606077	Score	1110
Exons	7257..7589, 8199..8301, 8386..8558, 11413..11616, 11722..11934		
GI Descrip.	(AF030301) auxin-induced protein [Helianthus annuus]		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37864	Strand	-
Start	12862	End	14409
Name	OJ991026_14.0218.C10.o3.tm	Method	TBLASTX:Maize
Start	1535	End	1924
GI	none	Score	266
Exons	1535..1795, 1546..1773, 1790..1819, 1829..1924		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37864	Strand	-
Start	12862	End	14409
Name	OJ991026_14.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	1928	End	3075
GI	none	Score	102
Exons	1928..2017, 1943..2032, 2011..2097, 2025..2090, 2159..2230, 2168..2236, 2252..2293, 2303..2380, 2461..2628, 2635..2661, 2743..3075		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37864	Strand	-
Start	12862	End	14409
Name	OJ991026_14.0218.C10.o3.ts	Method	TBLASTX:Soybean
Start	7252	End	7485
GI	none	Score	47
Exons	7252..7302, 7257..7304, 7344..7484, 7356..7484, 7390..7485		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37864	Strand	-
Start	12862	End	14409
Name	OJ991026_14.0218.C10.o2.tm	Method	TBLASTX:Maize
Start	7254	End	11803

GI	none	Score	43
Exons	7254..7301, 7254..7301, 7255..7305, 7344..7586, 7350..7580, 7390..7599, 8197..8301, 8199..8303, 8385..8558, 8386..8556, 11405..11536, 11407..11535, 11561..11602, 11572..11601, 11722..11802, 11723..11803		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37864	Strand	-
Start	12862	End	14409
Name	OJ991026_14.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	7404	End	14349
GI	none	Score	123
Exons	7404..7586, 7408..7584, 8245..8301, 8253..8303, 8385..8558, 8386..8559, 11405..11602, 11407..11601, 11714..11914, 11722..11919, 11806..11919, 14273..14320, 14311..14349		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37864	Strand	-
Start	12862	End	14409
Name	OJ991026_14.0218.C10.o2.ts	Method	TBLASTX:Soybean
Start	7486	End	8559
GI	none	Score	83
Exons	7486..7599, 7488..7592, 8199..8303, 8203..8301, 8254..8304, 8385..8528, 8385..8558, 8386..8559, 8386..8559		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37864	Strand	-
Start	12862	End	14409
Name	OJ991026_14.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	11425	End	14349
GI	none	Score	185
Exons	11425..11604, 11426..11605, 11717..11914, 11722..11919, 11806..11916, 14265..14309, 14270..14308, 14311..14349, 14312..14347		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37864	Strand	-
Start	12862	End	14409
Name	OJ991026_14.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	11543	End	14349
GI	none	Score	79
Exons	11543..11605, 11543..11575, 11572..11604, 11722..11922, 11723..11923, 14259..14312, 14260..14310, 14265..14315, 14270..14320, 14311..14349, 14312..14347		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37864	Strand	-
Start	12862	End	14409
Name	OJ991026_14.0218.C10.o4.gs	Method	GENSCAN
Start	12862	End	14409
GI	none	Score	.52
Exons	12862..12980, 13759..14014, 14248..14409		

Seq. No.	18081	Seq. ID	OJ991026_14.0218.C10
Gene No.	37864	Strand	-
Start	12862	End	14409
Name	OJ991026_14.0218.C10.o3.np	Method	AAT/NAP

Start	14248	End	14379
GI	728744	Score	77
Exons	14248..14379		
GI Descrip.	AUXIN-INDUCED PROTEIN PCNT115 gi\|100305\|pir\|\|S16390 auxin-induced protein - common tobacco gi\|19799\|emb\|CAA39708\| (X56267) auxin-induced protein [Nicotiana tabacum]		

Seq. No.	18082	Seq. ID	OJ991026_14.0218.C11
Gene No.	37865	Strand	-
Start	234	End	509
Name	OJ991026_14.0218.C11.o1.gs	Method	GENSCAN
Start	234	End	509
GI	none	Score	.53
Exons	234..394, 458..509		

Seq. No.	18082	Seq. ID	OJ991026_14.0218.C11
Gene No.	37866	Strand	-
Start	2276	End	4726
Name	OJ991026_14.0218.C11.o1.np	Method	AAT/NAP
Start	2256	End	4726
GI	4582459	Score	560
Exons	2256..2427, 2515..2644, 3499..3657, 3857..4011, 4084..4232, 4660..4726		
GI Descrip.	(AC007071) putative importin (nuclear transport factor) protein [Arabidopsis thaliana]		

Seq. No.	18082	Seq. ID	OJ991026_14.0218.C11
Gene No.	37866	Strand	-
Start	2276	End	4726
Name	OJ991026_14.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	2273	End	4209
GI	none	Score	121
Exons	2273..2437, 2277..2435, 2502..2573, 2504..2578, 2628..2645, 3509..3565, 3589..3657, 3589..3681, 3857..3991, 3857..3994, 3858..3992, 3858..3998, 3859..3999, 4089..4184, 4092..4208, 4093..4209		

Seq. No.	18082	Seq. ID	OJ991026_14.0218.C11
Gene No.	37866	Strand	-
Start	2276	End	4726
Name	OJ991026_14.0218.C11.o2.gs	Method	GENSCAN
Start	2276	End	4232
GI	none	Score	.96
Exons	2276..2427, 2515..2644, 3503..3654, 3857..3996, 4093..4232		

Seq. No.	18082	Seq. ID	OJ991026_14.0218.C11
Gene No.	37866	Strand	-
Start	2276	End	4726
Name	OJ991026_14.0218.C11.o2.tc	Method	TBLASTX:Cress
Start	2282	End	2578
GI	none	Score	68
Exons	2282..2425, 2337..2426, 2502..2573, 2516..2578		

Seq. No.	18082	Seq. ID	OJ991026_14.0218.C11
Gene No.	37866	Strand	-
Start	2276	End	4726
Name	OJ991026_14.0218.C11.o2.ts	Method	TBLASTX:Soybean

Start	2282	End	2578
GI	none	Score	77
Exons	2282..2425, 2516..2578, 2520..2573		

Seq. No.	18082	Seq. ID	OJ991026_14.0218.C11
Gene No.	37866	Strand	-
Start	2276	End	4726
Name	OJ991026_14.0218.C11.o1.ts	Method	TBLASTX:Soybean
Start	3858	End	4233
GI	none	Score	71
Exons	3858..3995, 3858..3998, 3859..3999, 4092..4226, 4092..4232, 4093..4233		

Seq. No.	18082	Seq. ID	OJ991026_14.0218.C11
Gene No.	37866	Strand	-
Start	2276	End	4726
Name	OJ991026_14.0218.C11.o1.tc	Method	TBLASTX:Cress
Start	3915	End	4232
GI	none	Score	92
Exons	3915..3998, 3916..3999, 4092..4232, 4093..4197		

Seq. No.	18083	Seq. ID	OJ991026_14.0218.C12
Gene No.	37867	Strand	+
Start	175	End	324
Name	OJ991026_14.0218.C12.o1.gs	Method	GENSCAN
Start	175	End	324
GI	none	Score	.84
Exons	175..324		

Seq. No.	18084	Seq. ID	OJ991026_14.0218.C13
Gene No.	37868	Strand	-
Start	1	End	698
Name	OJ991026_14.0218.C13.o1.np	Method	AAT/NAP
Start	1	End	698
GI	1352461	Score	112
Exons	1..138, 644..698		
GI Descrip.	IN2-2 PROTEIN		

Seq. No.	18084	Seq. ID	OJ991026_14.0218.C13
Gene No.	37868	Strand	-
Start	1	End	698
Name	OJ991026_14.0218.C13.o1.gs	Method	GENSCAN
Start	78	End	194
GI	none	Score	.6
Exons	78..194		

Seq. No.	18085	Seq. ID	OJ991026_15.0218.C1
Gene No.	37869	Strand	-
Start	397	End	491
Name	OJ991026_15.0218.C1.o1.gs	Method	GENSCAN
Start	397	End	491
GI	none	Score	.99
Exons	397..491		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37870	Strand	+
Start	10269	End	10376

Name	OJ991026_15.0218.C2.o1.gp	Method	AAT/GAP
Start	10269	End	10376
GI	uC-osflcyp088b12b1	Score	150
Exons	10269..10376		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o1.np	Method	AAT/NAP
Start	9	End	3352
GI	3785972	Score	1405
Exons	9..139, 718..885, 1023..1108, 1782..1940, 1968..2056, 2219..3352		
GI Descrip.	(AC005560) putative auxin transport protein [Arabidopsis thaliana]		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o1.tc	Method	TBLASTX:Cress
Start	719	End	3358
GI	none	Score	113
Exons	719..886, 735..887, 1021..1110, 1022..1111, 1772..1900, 1785..1901, 2343..2402, 2462..2500, 2465..2554, 2582..2689, 2595..2690, 2738..2776, 2777..3001, 2786..3052, 2787..3050, 3077..3358, 3105..3353		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o3.tm	Method	TBLASTX:Maize
Start	719	End	1870
GI	none	Score	191
Exons	719..886, 732..887, 1016..1108, 1021..1110, 1022..1108, 1772..1870, 1779..1865		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o4.ts	Method	TBLASTX:Soybean
Start	719	End	1110
GI	none	Score	173
Exons	719..886, 732..887, 1021..1110, 1022..1105		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o1.gs	Method	GENSCAN
Start	728	End	3352
GI	none	Score	.93
Exons	728..885, 1023..1108, 1782..2130, 2233..3352		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o5.ts	Method	TBLASTX:Soybean

Start	1772	End	2390
GI	none	Score	116
Exons	1772..1900, 1773..1901, 2343..2390		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o3.ts	Method	TBLASTX:Soybean
Start	2447	End	2690
GI	none	Score	58
Exons	2447..2554, 2463..2540, 2465..2545, 2582..2689, 2595..2690, 2606..2686		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	2738	End	3046
GI	none	Score	255
Exons	2738..2776, 2786..3046, 2787..3041		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	2762	End	3002
GI	none	Score	225
Exons	2762..3001, 2763..3002, 2895..3002		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	3003	End	3353
GI	none	Score	53
Exons	3003..3050, 3005..3052, 3068..3352, 3087..3353		

Seq. No.	18086	Seq. ID	OJ991026_15.0218.C2
Gene No.	37871	Strand	-
Start	9	End	3358
Name	OJ991026_15.0218.C2.o2.ts	Method	TBLASTX:Soybean
Start	3068	End	3358
GI	none	Score	205
Exons	3068..3358, 3117..3353		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37872	Strand	+
Start	9855	End	11436
Name	OJ991026_15.0218.C4.o2.gp	Method	AAT/GAP
Start	9819	End	10282
GI	2427955	Score	641
Exons	9819..10127, 10227..10282		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37872	Strand	+
Start	9855	End	11436
Name	OJ991026_15.0218.C4.o3.gs	Method	GENSCAN

Start	9855	End	11436
GI	none	Score	.52
Exons	9855..10127, 10245..10453, 10972..11072, 11363..11436		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o1.np	Method	AAT/NAP
Start	1	End	12676
GI	6721512	Score	109
Exons	1..168, 4696..4741, 7599..7715, 9622..9922, 12559..12676		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o1.gp	Method	AAT/GAP
Start	5016	End	5391
GI	3760474	Score	149
Exons	5016..5037, 5290..5391		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o2.gs	Method	GENSCAN
Start	6888	End	9123
GI	none	Score	.75
Exons	6888..6967, 7048..7135, 7206..7274, 7492..7932, 9031..9123		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	10088	End	11083
GI	none	Score	60
Exons	10088..10126, 10089..10127, 10212..10454, 10226..10321, 10367..10492, 10973..11083, 10987..11073		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	10257	End	11049
GI	none	Score	47
Exons	10257..10286, 10280..10489, 10281..10454, 10973..11047, 10978..11049		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o3.gp	Method	AAT/GAP
Start	11493	End	11687
GI	uC-osroM202025d08a1	Score	254
Exons	11493..11687		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o2.np	Method	AAT/NAP
Start	12358	End	13839
GI	3445397	Score	502
Exons	12358..12431, 13323..13839		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o5.gs	Method	GENSCAN
Start	13333	End	13734
GI	none	Score	.73
Exons	13333..13734		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	13372	End	13829
GI	none	Score	73
Exons	13372..13617, 13400..13489, 13606..13725, 13616..13741, 13728..13829, 13732..13824		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o1.tc	Method	TBLASTX:Cress
Start	13399	End	13838
GI	none	Score	42
Exons	13399..13575, 13642..13740, 13667..13741, 13731..13838, 13732..13836		

Seq. No.	18087	Seq. ID	OJ991026_15.0218.C4
Gene No.	37873	Strand	-
Start	1	End	13839
Name	OJ991026_15.0218.C4.o2.ts	Method	TBLASTX:Soybean
Start	13399	End	13838
GI	none	Score	64
Exons	13399..13533, 13642..13716, 13728..13781, 13732..13776, 13797..13838		

Seq. No.	18088	Seq. ID	OJ991026_15.0218.C5
Gene No.	37874	Strand	-
Start	1	End	2858
Name	OJ991026_15.0218.C5.o1.np	Method	AAT/NAP
Start	1	End	1612
GI	3445397	Score	1287
Exons	1..1612		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	18088	Seq. ID	OJ991026_15.0218.C5
Gene No.	37874	Strand	-
Start	1	End	2858
Name	OJ991026_15.0218.C5.o1.tc	Method	TBLASTX:Cress

Start	14	End	1644
GI	none	Score	146
Exons	14..271, 18..272, 251..382, 279..374, 628..690, 790..1020, 1114..1209, 1216..1290, 1244..1279, 1324..1368, 1325..1363, 1456..1644		

Seq. No.	18088	Seq. ID	OJ991026_15.0218.C5
Gene No.	37874	Strand	-
Start	1	End	2858
Name	OJ991026_15.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	14	End	379
GI	none	Score	158
Exons	14..64, 77..271, 78..272, 257..379, 258..377		

Seq. No.	18088	Seq. ID	OJ991026_15.0218.C5
Gene No.	37874	Strand	-
Start	1	End	2858
Name	OJ991026_15.0218.C5.o1.tw	Method	TBLASTX:Wheat
Start	14	End	238
GI	none	Score	68
Exons	14..238, 105..215		

Seq. No.	18088	Seq. ID	OJ991026_15.0218.C5
Gene No.	37874	Strand	-
Start	1	End	2858
Name	OJ991026_15.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	14	End	485
GI	none	Score	62
Exons	14..64, 15..59, 83..418, 96..485		

Seq. No.	18088	Seq. ID	OJ991026_15.0218.C5
Gene No.	37874	Strand	-
Start	1	End	2858
Name	OJ991026_15.0218.C5.o1.gs	Method	GENSCAN
Start	144	End	2858
GI	none	Score	.51
Exons	144..419, 602..1640, 2737..2858		

Seq. No.	18088	Seq. ID	OJ991026_15.0218.C5
Gene No.	37874	Strand	-
Start	1	End	2858
Name	OJ991026_15.0218.C5.o2.tw	Method	TBLASTX:Wheat
Start	586	End	972
GI	none	Score	170
Exons	586..621, 622..972, 622..702		

Seq. No.	18088	Seq. ID	OJ991026_15.0218.C5
Gene No.	37874	Strand	-
Start	1	End	2858
Name	OJ991026_15.0218.C5.o2.ts	Method	TBLASTX:Soybean
Start	706	End	1101
GI	none	Score	45
Exons	706..975, 770..805, 848..940, 973..1101		

Seq. No.	18088	Seq. ID	OJ991026_15.0218.C5
Gene No.	37874	Strand	-
Start	1	End	2858

Name	OJ991026_15.0218.C5.o3.ts	Method	TBLASTX:Soybean
Start	1234	End	1641
GI	none	Score	94
Exons	1234..1377, 1244..1372, 1417..1536, 1546..1626, 1547..1609, 1603..1641		

Seq. No.	18089	Seq. ID	OJ991026_15.0218.C6
Gene No.	37875	Strand	+
Start	483	End	598
Name	OJ991026_15.0218.C6.o1.gs	Method	GENSCAN
Start	483	End	598
GI	none	Score	.67
Exons	483..598		

Seq. No.	18089	Seq. ID	OJ991026_15.0218.C6
Gene No.	37876	Strand	+
Start	669	End	1173
Name	OJ991026_15.0218.C6.o1.gp	Method	AAT/GAP
Start	669	End	1173
GI	27498_1.R1084	Score	982
Exons	669..1173		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 8.0e-62 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	18089	Seq. ID	OJ991026_15.0218.C6
Gene No.	37877	Strand	+
Start	5760	End	9344
Name	OJ991026_15.0218.C6.o3.gs	Method	GENSCAN
Start	5760	End	9344
GI	none	Score	.61
Exons	5760..5885, 8288..8391, 8474..9344		

Seq. No.	18089	Seq. ID	OJ991026_15.0218.C6
Gene No.	37877	Strand	+
Start	5760	End	9344
Name	OJ991026_15.0218.C6.o1.np	Method	AAT/NAP
Start	7345	End	9341
GI	2618701	Score	382
Exons	7345..7431, 8559..8652, 8763..8944, 9020..9341		
GI Descrip.	(AC002510) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18089	Seq. ID	OJ991026_15.0218.C6
Gene No.	37878	Strand	-
Start	3123	End	4887
Name	OJ991026_15.0218.C6.o2.gs	Method	GENSCAN
Start	3123	End	4887
GI	none	Score	.67
Exons	3123..3434, 4843..4887		

Seq. No.	18089	Seq. ID	OJ991026_15.0218.C6
Gene No.	37879	Strand	
Start	8282	End	8789
Name	OJ991026_15.0218.C6.o2.tm	Method	TBLASTX:Maize
Start	8282	End	8789
GI	none	Score	54
Exons	8282..8314, 8282..8311, 8400..8438, 8405..8464, 8413..8463, 8459..8518, 8461..8520, 8484..8543, 8559..8627, 8594..8626,		

8742..8789, 8745..8789

Seq. No.	18089	Seq. ID	OJ991026_15.0218.C6
Gene No.	37880	Strand	
Start	8763	End	9383
Name	OJ991026_15.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	8763	End	9173
GI	none	Score	148
Exons	8763..8966, 9026..9100, 9027..9119, 9101..9172, 9105..9173		

Seq. No.	18089	Seq. ID	OJ991026_15.0218.C6
Gene No.	37880	Strand	
Start	8763	End	9383
Name	OJ991026_15.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	8889	End	9383
GI	none	Score	76
Exons	8889..8939, 8891..8944, 9033..9185, 9035..9184, 9185..9277, 9186..9278, 9312..9383		

Seq. No.	18089	Seq. ID	OJ991026_15.0218.C6
Gene No.	37880	Strand	
Start	8763	End	9383
Name	OJ991026_15.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	9053	End	9346
GI	none	Score	351
Exons	9053..9277, 9054..9278, 9311..9346, 9312..9344		

Seq. No.	18090	Seq. ID	OJ991026_15.0218.C7
Gene No.	37881	Strand	+
Start	455	End	3549
Name	OJ991026_15.0218.C7.o1.gs	Method	GENSCAN
Start	455	End	3549
GI	none	Score	.59
Exons	455..460, 748..1079, 1544..1597, 2384..2622, 2763..2782, 2927..3064, 3409..3549		

Seq. No.	18090	Seq. ID	OJ991026_15.0218.C7
Gene No.	37882	Strand	+
Start	3558	End	7544
Name	OJ991026_15.0218.C7.o2.np	Method	AAT/NAP
Start	3558	End	6667
GI	5777624	Score	303
Exons	3558..3623, 4427..4705, 6592..6667		
GI Descrip.	(AJ245900) CAA303712.1 protein [Oryza sativa]		

Seq. No.	18090	Seq. ID	OJ991026_15.0218.C7
Gene No.	37882	Strand	+
Start	3558	End	7544
Name	OJ991026_15.0218.C7.o2.gs	Method	GENSCAN
Start	4469	End	4801
GI	none	Score	.54
Exons	4469..4801		

Seq. No.	18090	Seq. ID	OJ991026_15.0218.C7
Gene No.	37882	Strand	+
Start	3558	End	7544
Name	OJ991026_15.0218.C7.o3.gs	Method	GENSCAN

Start	5668	End	7544
GI	none	Score	.74
Exons	5668..5806, 5840..5923, 5990..6178, 6483..6613, 7238..7369, 7407..7544		

Seq. No.	18090	Seq. ID	OJ991026_15.0218.C7
Gene No.	37883	Strand	-
Start	1	End	2700
Name	OJ991026_15.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	2700
GI	4680191	Score	44
Exons	1..28, 2567..2700		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	18090	Seq. ID	OJ991026_15.0218.C7
Gene No.	37884	Strand	-
Start	5197	End	5415
Name	OJ991026_15.0218.C7.o1.gp	Method	AAT/GAP
Start	5197	End	5415
GI	3766626	Score	245
Exons	5197..5415		
GI Descrip.	5257255/dbj\|AP000364.1\|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	18090	Seq. ID	OJ991026_15.0218.C7
Gene No.	37885	Strand	-
Start	5848	End	7598
Name	OJ991026_15.0218.C7.o3.np	Method	AAT/NAP
Start	5848	End	7598
GI	6006372	Score	110
Exons	5848..6095, 7549..7598		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37886	Strand	+
Start	1	End	5484
Name	OJ991026_15.0218.C8.o1.np	Method	AAT/NAP
Start	1	End	3164
GI	4680179	Score	4635
Exons	1..3164		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37886	Strand	+
Start	1	End	5484
Name	OJ991026_15.0218.C8.o2.np	Method	AAT/NAP
Start	1	End	5484
GI	6063554	Score	169
Exons	1..64, 3796..4156, 5309..5484		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37886	Strand	+
Start	1	End	5484

Name	OJ991026_15.0218.C8.o1.gs	Method	GENSCAN
Start	99	End	4371
GI	none	Score	.92
Exons	99..3128, 3783..3914, 3952..4371		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37887	Strand	+
Start	9384	End	9877
Name	OJ991026_15.0218.C8.o1.gp	Method	AAT/GAP
Start	9318	End	9877
GI	none	Score	802
Exons	9318..9524, 9643..9877		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37887	Strand	+
Start	9384	End	9877
Name	OJ991026_15.0218.C8.o3.gs	Method	GENSCAN
Start	9384	End	9779
GI	none	Score	.99
Exons	9384..9524, 9615..9779		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o7.tw	Method	TBLASTX:Wheat
Start	18	End	323
GI	none	Score	120
Exons	18..158, 77..145, 207..323, 245..322		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o7.tm	Method	TBLASTX:Maize
Start	198	End	391
GI	none	Score	192
Exons	198..389, 236..391		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o4.tw	Method	TBLASTX:Wheat
Start	326	End	810
GI	none	Score	535
Exons	326..766, 327..809, 330..806, 436..810		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o4.ts	Method	TBLASTX:Soybean
Start	363	End	677
GI	none	Score	198
Exons	363..677		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o4.tm	Method	TBLASTX:Maize

Start	392	End	839
GI	none	Score	373
Exons	392..829, 396..839		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	750	End	1145
GI	none	Score	57
Exons	750..782, 750..782, 786..839, 788..829, 894..1145, 902..1135		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o5.tm	Method	TBLASTX:Maize
Start	894	End	1226
GI	none	Score	310
Exons	894..1226, 947..1225		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o5.tw	Method	TBLASTX:Wheat
Start	897	End	1160
GI	none	Score	373
Exons	897..1160, 899..1159		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o3.tw	Method	TBLASTX:Wheat
Start	1161	End	1586
GI	none	Score	599
Exons	1161..1586, 1163..1579, 1236..1586		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o3.ts	Method	TBLASTX:Soybean
Start	1167	End	1415
GI	none	Score	206
Exons	1167..1415		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o2.tm	Method	TBLASTX:Maize
Start	1233	End	1586
GI	none	Score	463
Exons	1233..1586, 1238..1579		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o2.tw	Method	TBLASTX:Wheat
Start	1614	End	2154

GI	none	Score	633
Exons	1614..2153, 1796..2149, 1873..2154		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o1.tc	Method	TBLASTX:Cress
Start	1851	End	2177
GI	none	Score	90
Exons	1851..2033, 2034..2177, 2036..2176		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o2.ts	Method	TBLASTX:Soybean
Start	1941	End	2201
GI	none	Score	301
Exons	1941..2201, 1952..2200		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o3.tm	Method	TBLASTX:Maize
Start	2000	End	2291
GI	none	Score	411
Exons	2000..2287, 2001..2291		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o1.tw	Method	TBLASTX:Wheat
Start	2160	End	2786
GI	none	Score	723
Exons	2160..2786, 2163..2189, 2219..2665, 2726..2785		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o1.tm	Method	TBLASTX:Maize
Start	2339	End	2924
GI	none	Score	229
Exons	2339..2494, 2340..2501, 2354..2503, 2498..2662, 2499..2924, 2726..2923		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o6.tw	Method	TBLASTX:Wheat
Start	2786	End	3119
GI	none	Score	318
Exons	2786..3067, 2787..3119		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o6.tm	Method	TBLASTX:Maize
Start	11654	End	12563

GI	none	Score	215
Exons	11654..11848, 11675..11845, 12456..12563, 12468..12563		

Seq. No.	18091	Seq. ID	OJ991026_15.0218.C8
Gene No.	37888	Strand	-
Start	11672	End	12563
Name	OJ991026_15.0218.C8.o4.gs	Method	GENSCAN
Start	11672	End	12560
GI	none	Score	.95
Exons	11672..11833, 12470..12560		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37889	Strand	+
Start	11898	End	18777
Name	OJ991026_15.0218.C9.o3.gs	Method	GENSCAN
Start	11898	End	17186
GI	none	Score	.57
Exons	11898..11998, 13713..13784, 14099..14243, 14423..14554, 15855..15921, 16034..16116, 16664..16789, 17163..17186		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37889	Strand	+
Start	11898	End	18777
Name	OJ991026_15.0218.C9.o2.gp	Method	AAT/GAP
Start	14430	End	16707
GI	702375	Score	678
Exons	14430..14554, 15801..15921, 16034..16116, 16664..16707		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37889	Strand	+
Start	11898	End	18777
Name	OJ991026_15.0218.C9.o3.gp	Method	AAT/GAP
Start	17074	End	18777
GI	none	Score	697
Exons	17074..17162, 17782..17895, 17987..18026, 18618..18777		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37890	Strand	+
Start	23237	End	24080
Name	OJ991026_15.0218.C9.o6.gs	Method	GENSCAN
Start	23237	End	24080
GI	none	Score	.41
Exons	23237..23239, 23245..23375, 23707..23762, 24058..24080		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37891	Strand	-
Start	1	End	7943
Name	OJ991026_15.0218.C9.o1.np	Method	AAT/NAP
Start	1	End	3844
GI	6957704	Score	513
Exons	1..23, 613..764, 1204..1305, 1413..1487, 1567..1647, 3597..3844		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37891	Strand	-
Start	1	End	7943
Name	OJ991026_15.0218.C9.o2.np	Method	AAT/NAP

Start	3594	End	7884
GI	5917666	Score	116
Exons	3594..4030, 7613..7884		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37891	Strand	-
Start	1	End	7943
Name	OJ991026_15.0218.C9.o2.gs	Method	GENSCAN
Start	4862	End	7943
GI	none	Score	.82
Exons	4862..5056, 5626..5698, 5847..6223, 6969..7943		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37891	Strand	-
Start	1	End	7943
Name	OJ991026_15.0218.C9.o1.gp	Method	AAT/GAP
Start	5436	End	5852
GI	none	Score	772
Exons	5436..5852		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37891	Strand	-
Start	1	End	7943
Name	OJ991026_15.0218.C9.o3.np	Method	AAT/NAP
Start	5874	End	7940
GI	4874284	Score	688
Exons	5874..6230, 6991..7940		
GI Descrip.	(AC007212) putative AAA-type ATPase [Arabidopsis thaliana]		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37892	Strand	-
Start	19472	End	20112
Name	OJ991026_15.0218.C9.o4.gs	Method	GENSCAN
Start	19472	End	20112
GI	none	Score	.94
Exons	19472..19892, 20057..20112		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37893	Strand	-
Start	20316	End	20649
Name	OJ991026_15.0218.C9.o4.gp	Method	AAT/GAP
Start	20316	End	20649
GI	3759129	Score	596
Exons	20316..20649		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37894	Strand	-
Start	20685	End	29474
Name	OJ991026_15.0218.C9.o4.np	Method	AAT/NAP
Start	20685	End	29474
GI	899608	Score	1139
Exons	20685..20916, 24608..25052, 29019..29474		
GI Descrip.	(U29158) polyubiquitin [Zea mays]		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37894	Strand	-

Start	20685	End	29474
Name	OJ991026_15.0218.C9.o7.gs	Method	GENSCAN
Start	24594	End	25441
GI	none	Score	.44
Exons	24594..25046, 25067..25441		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37894	Strand	-
Start	20685	End	29474
Name	OJ991026_15.0218.C9.o8.gs	Method	GENSCAN
Start	26861	End	28267
GI	none	Score	.63
Exons	26861..27022, 27267..27290, 27632..27929, 27985..28073, 28106..28267		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37894	Strand	-
Start	20685	End	29474
Name	OJ991026_15.0218.C9.o9.gs	Method	GENSCAN
Start	29010	End	29474
GI	none	Score	1
Exons	29010..29474		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o3.tc	Method	TBLASTX:Cress
Start	595	End	1481
GI	none	Score	99
Exons	595..729, 627..752, 740..766, 743..778, 1203..1304, 1203..1307, 1207..1308, 1412..1480, 1413..1481		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o2.tm	Method	TBLASTX:Maize
Start	681	End	3835
GI	none	Score	64
Exons	681..722, 684..752, 685..729, 728..763, 730..765, 1203..1307, 1204..1320, 1207..1308, 1412..1486, 1413..1487, 1414..1488, 1414..1494, 1566..1652, 1567..1653, 1687..1800, 1719..1799, 1727..1849, 2278..2355, 2278..2352, 2297..2362, 3596..3682, 3597..3683, 3717..3743, 3815..3835		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o3.ts	Method	TBLASTX:Soybean
Start	1272	End	3685
GI	none	Score	47
Exons	1272..1307, 1273..1332, 1412..1486, 1413..1484, 1564..1653, 1566..1652, 1693..1800, 1727..1798, 2278..2352, 2279..2350, 3596..3685		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870

Name	OJ991026_15.0218.C9.o2.ts	Method	TBLASTX:Soybean
Start	6014	End	7670
GI	none	Score	122
Exons	6014..6226, 6069..6227, 7005..7373, 7165..7410, 7386..7502, 7566..7670		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o2.tc	Method	TBLASTX:Cress
Start	6020	End	6223
GI	none	Score	131
Exons	6020..6223, 6027..6221		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o2.tw	Method	TBLASTX:Wheat
Start	6023	End	6234
GI	none	Score	277
Exons	6023..6226, 6027..6224, 6113..6226, 6175..6234		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o3.tm	Method	TBLASTX:Maize
Start	6107	End	7370
GI	none	Score	80
Exons	6107..6229, 6113..6226, 7017..7370, 7038..7109, 7165..7362		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o4.tm	Method	TBLASTX:Maize
Start	16703	End	18803
GI	none	Score	65
Exons	16703..16786, 16913..16984, 16924..16983, 17071..17163, 17088..17156, 17757..17879, 17779..17895, 17780..17857, 17780..17896, 17993..18028, 18614..18769, 18615..18803		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o4.ts	Method	TBLASTX:Soybean
Start	16703	End	18683
GI	none	Score	73
Exons	16703..16786, 16904..16984, 16921..16968, 17050..17163, 17088..17165, 17779..17895, 17780..17857, 17978..18028, 18615..18683		

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o1.tc	Method	TBLASTX:Cress
Start	20471	End	29492
GI	none	Score	47
Exons	20471..20569, 20474..20569, 20582..20653, 20682..20810,		

20697..20837, 20734..20811, 20811..20846, 20848..20928,
20849..20920, 24639..24743, 24717..24830, 24717..24839,
24754..24828, 24823..25056, 24825..25058, 24834..25067,
24871..25053, 29019..29246, 29028..29492, 29029..29145,
29233..29475, 29293..29475

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	20471	End	29477
GI	none	Score	80

Exons 20471..20569, 20471..20569, 20472..20567, 20582..20653,
20677..20847, 20682..20810, 20688..20837, 20811..20846,
20848..20931, 20852..20926, 20852..20956, 24639..24707,
24639..24743, 24717..24830, 24717..24815, 24754..24843,
24825..25067, 24825..25067, 24826..25053, 24844..25056,
29019..29477, 29020..29145, 29233..29475, 29248..29475,
29415..29477

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o1.tw	Method	TBLASTX:Wheat
Start	20471	End	29492
GI	none	Score	65

Exons 20471..20569, 20474..20569, 20475..20567, 20582..20653,
20583..20675, 20677..20847, 20682..20810, 20688..20837,
20689..20811, 20811..20846, 20812..20844, 20849..20917,
20852..20950, 20852..20953, 24639..24707, 24639..24743,
24717..24830, 24717..24815, 24754..24843, 24820..24891,
24825..25067, 24825..25058, 24826..25053, 24844..25059,
25012..25074, 29019..29492, 29020..29145, 29233..29475,
29248..29475

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	20471	End	29481
GI	none	Score	66

Exons 20471..20569, 20471..20569, 20472..20567, 20582..20653,
20583..20636, 20677..20847, 20682..20810, 20685..20837,
20811..20846, 20848..20982, 20849..20983, 24639..24743,
24640..24690, 24717..24830, 24717..24815, 24754..24828,
24823..25062, 24823..25053, 24825..25067, 24825..25052,
29004..29474, 29019..29270, 29020..29145, 29233..29475,
29248..29475, 29398..29481

Seq. No.	18092	Seq. ID	OJ991026_15.0218.C9
Gene No.	37895	Strand	-
Start	30515	End	31870
Name	OJ991026_15.0218.C9.o10.gs	Method	GENSCAN
Start	30515	End	31870
GI	none	Score	.56

Exons 30515..30597, 30681..30722, 31501..31870

Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o1.np	Method	AAT/NAP
Start	92	End	3208
GI	3738315	Score	366
Exons	92..196, 352..431, 523..633, 821..858, 1033..1157, 1559..1686, 3106..3208		
GI Descrip.	(AC005170) unknown protein [Arabidopsis thaliana]		

Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o2.tm	Method	TBLASTX:Maize
Start	337	End	1170
GI	none	Score	76
Exons	337..432, 343..432, 527..634, 528..635, 816..860, 817..861, 1026..1160, 1030..1170, 1033..1158		

Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o1.gs	Method	GENSCAN
Start	352	End	2086
GI	none	Score	.64
Exons	352..431, 523..633, 821..858, 1033..1157, 1559..2086		

Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o3.ts	Method	TBLASTX:Soybean
Start	360	End	647
GI	none	Score	42
Exons	360..434, 361..432, 530..634, 531..647		

Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o4.ts	Method	TBLASTX:Soybean
Start	816	End	1190
GI	none	Score	90
Exons	816..863, 1026..1190, 1033..1158		

Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o2.tc	Method	TBLASTX:Cress
Start	1026	End	1591
GI	none	Score	134
Exons	1026..1172, 1033..1158, 1547..1591		

Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o3.tm	Method	TBLASTX:Maize
Start	2546	End	6342
GI	none	Score	201

Exons	2546..2638, 2548..2724, 2555..2713, 4506..4634, 4507..4635, 4513..4635, 4514..4648, 6058..6168, 6059..6169, 6277..6342		
Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	2551	End	3643
GI	none	Score	209
Exons	2551..2577, 2573..2776, 2581..2769, 2874..3011, 2887..3009, 3275..3541, 3302..3418, 3304..3492, 3593..3643		
Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o2.gs	Method	GENSCAN
Start	2551	End	8828
GI	none	Score	.52
Exons	2551..2760, 2874..3008, 3319..3471, 4512..4633, 6057..6527, 7564..8004, 8789..8828		
Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o2.np	Method	AAT/NAP
Start	2554	End	6378
GI	6016708	Score	1331
Exons	2554..2760, 2874..3008, 3319..3493, 3594..3790, 4512..4633, 6057..6378		
GI Descrip.	(AC009325) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	2572	End	6162
GI	none	Score	181
Exons	2572..2769, 2573..2776, 2874..3011, 2880..3011, 2899..3021, 2920..3021, 3300..3479, 3313..3486, 3316..3492, 3317..3493, 3593..3739, 3594..3740, 4495..4635, 4506..4634, 6058..6162, 6059..6160		
Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	2575	End	3724
GI	none	Score	119
Exons	2575..2757, 2606..2752, 2877..3011, 2895..3011, 2929..3021, 3313..3489, 3316..3492, 3377..3493, 3593..3724, 3593..3724		
Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	2725	End	3795
GI	none	Score	50

Exons	2725..2769, 2726..2776, 2873..3013, 2874..3011, 2874..3014, 2887..3012, 3312..3446, 3315..3494, 3316..3495, 3316..3495, 3566..3793, 3567..3794, 3586..3795		
Seq. No.	18093	Seq. ID	OJ991026_15.0218.C10
Gene No.	37896	Strand	-
Start	92	End	8828
Name	OJ991026_15.0218.C10.o2.ts	Method	TBLASTX:Soybean
Start	6040	End	6339
GI	5677051	Score	135
Exons	6040..6264, 6053..6160, 6277..6339		
GI Descrip.	2244835/emb_CAB10257_ 4.0e-13 (Z97337) protein kinase homolog [Arabidopsis thaliana]		
Seq. No.	18094	Seq. ID	OJ991026_15.0218.C11
Gene No.	37897	Strand	-
Start	164	End	474
Name	OJ991026_15.0218.C11.o1.gp	Method	AAT/GAP
Start	164	End	474
GI	none	Score	601
Exons	164..474		
Seq. No.	18095	Seq. ID	OJ991026_15.0218.C12
Gene No.	37898	Strand	+
Start	1064	End	3399
Name	OJ991026_15.0218.C12.o1.gs	Method	GENSCAN
Start	1064	End	1858
GI	none	Score	.95
Exons	1064..1858		
Seq. No.	18095	Seq. ID	OJ991026_15.0218.C12
Gene No.	37898	Strand	+
Start	1064	End	3399
Name	OJ991026_15.0218.C12.o1.np	Method	AAT/NAP
Start	1064	End	1855
GI	4512231	Score	1251
Exons	1064..1855		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	18095	Seq. ID	OJ991026_15.0218.C12
Gene No.	37898	Strand	+
Start	1064	End	3399
Name	OJ991026_15.0218.C12.o2.np	Method	AAT/NAP
Start	1579	End	3399
GI	4680179	Score	1041
Exons	1579..1733, 2191..3399		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	18095	Seq. ID	OJ991026_15.0218.C12
Gene No.	37898	Strand	+
Start	1064	End	3399
Name	OJ991026_15.0218.C12.o2.gs	Method	GENSCAN
Start	2126	End	3227
GI	none	Score	.83
Exons	2126..3227		
Seq. No.	18095	Seq. ID	OJ991026_15.0218.C12

Gene No.	37898	Strand	+
Start	1064	End	3399
Name	OJ991026_15.0218.C12.o2.tw	Method	TBLASTX:Wheat
Start	2293	End	3005
GI	none	Score	215
Exons	2293..2490, 2294..2491, 2961..3005		

Seq. No.	18095	Seq. ID	OJ991026_15.0218.C12
Gene No.	37898	Strand	+
Start	1064	End	3399
Name	OJ991026_15.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	2543	End	2848
GI	none	Score	246
Exons	2543..2848		

Seq. No.	18095	Seq. ID	OJ991026_15.0218.C12
Gene No.	37898	Strand	+
Start	1064	End	3399
Name	OJ991026_15.0218.C12.o1.tw	Method	TBLASTX:Wheat
Start	2543	End	2893
GI	none	Score	312
Exons	2543..2893		

Seq. No.	18095	Seq. ID	OJ991026_15.0218.C12
Gene No.	37898	Strand	+
Start	1064	End	3399
Name	OJ991026_15.0218.C12.o3.tw	Method	TBLASTX:Wheat
Start	3062	End	3376
GI	none	Score	59
Exons	3062..3106, 3179..3376, 3226..3366		

Seq. No.	18096	Seq. ID	OJ991026_15.0218.C13
Gene No.	37899	Strand	+
Start	316	End	545
Name	OJ991026_15.0218.C13.o1.gs	Method	GENSCAN
Start	316	End	545
GI	none	Score	.97
Exons	316..545		

Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1
Gene No.	37900	Strand	+
Start	864	End	956
Name	OJ991116_14.0222.C1.o1.gs	Method	GENSCAN
Start	864	End	956
GI	none	Score	.51
Exons	864..956		

Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1
Gene No.	37901	Strand	-
Start	1997	End	4234
Name	OJ991116_14.0222.C1.o1.np	Method	AAT/NAP
Start	1994	End	3864
GI	4895189	Score	230
Exons	1994..2219, 3714..3864		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1

Gene No.	37901	Strand	-
Start	1997	End	4234
Name	OJ991116_14.0222.C1.o2.gs	Method	GENSCAN
Start	1997	End	4234
GI	none	Score	.98
Exons	1997..2219, 3714..4234		

Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1
Gene No.	37902	Strand	-
Start	9788	End	11614
Name	OJ991116_14.0222.C1.o3.tm	Method	TBLASTX:Maize
Start	1997	End	2140
GI	none	Score	158
Exons	1997..2140, 2001..2114		

Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1
Gene No.	37902	Strand	-
Start	9788	End	11614
Name	OJ991116_14.0222.C1.o1.ts	Method	TBLASTX:Soybean
Start	2003	End	2221
GI	none	Score	128
Exons	2003..2137, 2004..2114, 2111..2221		

Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1
Gene No.	37902	Strand	-
Start	9788	End	11614
Name	OJ991116_14.0222.C1.o2.tc	Method	TBLASTX:Cress
Start	2135	End	3865
GI	none	Score	78
Exons	2135..2221, 2142..2222, 3713..3865, 3714..3863		

Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1
Gene No.	37902	Strand	-
Start	9788	End	11614
Name	OJ991116_14.0222.C1.o2.tm	Method	TBLASTX:Maize
Start	3713	End	4123
GI	none	Score	250
Exons	3713..3955, 3714..3956, 3989..4123, 3993..4091		

Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1
Gene No.	37902	Strand	-
Start	9788	End	11614
Name	OJ991116_14.0222.C1.o2.np	Method	AAT/NAP
Start	9788	End	11602
GI	282873	Score	251
Exons	9788..9848, 10887..11602		
GI Descrip.	transforming protein (myb) homolog - Arabidopsis thaliana gi\|217859\|dbj\|BAA01730.1\| (D10936) ATMYB1 protein [Arabidopsis thaliana] gi\|6478917\|gb\|AAF14022.1\|AC011436_6 (AC011436) unknown protein [Arabidopsis thaliana]		

Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1
Gene No.	37902	Strand	-
Start	9788	End	11614
Name	OJ991116_14.0222.C1.o3.gs	Method	GENSCAN
Start	10868	End	11607
GI	none	Score	.71

Exons	10868..11607		
Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1
Gene No.	37902	Strand	-
Start	9788	End	11614
Name	OJ991116_14.0222.C1.o1.tc	Method	TBLASTX:Cress
Start	10901	End	11614
GI	none	Score	127
Exons	10901..11041, 11042..11080, 11477..11608, 11478..11570, 11492..11614		
Seq. No.	18097	Seq. ID	OJ991116_14.0222.C1
Gene No.	37902	Strand	-
Start	9788	End	11614
Name	OJ991116_14.0222.C1.o1.tm	Method	TBLASTX:Maize
Start	11021	End	11608
GI	none	Score	57
Exons	11021..11065, 11053..11106, 11057..11107, 11058..11117, 11063..11143, 11108..11311, 11108..11608, 11109..11570, 11438..11605		
Seq. No.	18098	Seq. ID	OJ991116_14.0222.C2
Gene No.	37903	Strand	+
Start	3457	End	5122
Name	OJ991116_14.0222.C2.o1.np	Method	AAT/NAP
Start	3457	End	5122
GI	5441880	Score	718
Exons	3457..4465, 4907..4956, 5096..5122		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	18098	Seq. ID	OJ991116_14.0222.C2
Gene No.	37903	Strand	+
Start	3457	End	5122
Name	OJ991116_14.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	4026	End	4608
GI	none	Score	135
Exons	4026..4148, 4027..4179, 4179..4484, 4180..4488, 4528..4608, 4530..4556		
Seq. No.	18098	Seq. ID	OJ991116_14.0222.C2
Gene No.	37903	Strand	+
Start	3457	End	5122
Name	OJ991116_14.0222.C2.o1.tw	Method	TBLASTX:Wheat
Start	4317	End	4677
GI	none	Score	188
Exons	4317..4466, 4318..4494, 4318..4467, 4507..4677, 4515..4562, 4519..4608, 4541..4627		
Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37904	Strand	+
Start	3702	End	13997
Name	OJ991116_14.0222.C3.o1.np	Method	AAT/NAP
Start	3699	End	13945
GI	6478936	Score	1433
Exons	3699..3791, 5218..5375, 5456..5829, 5912..6895, 13818..13945		

GI Descrip. (AC011436) putative laccase [Arabidopsis thaliana]

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37904	Strand	+
Start	3702	End	13997
Name	OJ991116_14.0222.C3.o2.gs	Method	GENSCAN
Start	3702	End	7670
GI	none	Score	.71
Exons	3702..3791, 5218..5409, 5472..5835, 5912..6895, 7540..7670		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37904	Strand	+
Start	3702	End	13997
Name	OJ991116_14.0222.C3.o3.gs	Method	GENSCAN
Start	9916	End	13997
GI	none	Score	.65
Exons	9916..10058, 12204..12448, 12469..12660, 12778..13997		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37904	Strand	+
Start	3702	End	13997
Name	OJ991116_14.0222.C3.o1.gp	Method	AAT/GAP
Start	12614	End	13252
GI	LIB3475-008-P1-K1-C6	Score	1011
Exons	12614..12660, 12778..13252		
GI Descrip.	'2347188 9.0e-26 (AC002338) laccase isolog [Arabidopsis thaliana] >gi_3150401 (AC004165) putative laccase [Arabidopsis thaliana]'		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37905	Strand	+
Start	16575	End	18338
Name	OJ991116_14.0222.C3.o2.np	Method	AAT/NAP
Start	16575	End	18338
GI	6907086	Score	1022
Exons	16575..17357, 17419..17685, 17934..18119, 18153..18338		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37906	Strand	+
Start	20901	End	23505
Name	OJ991116_14.0222.C3.o6.np	Method	AAT/NAP
Start	20864	End	23278
GI	3805964	Score	868
Exons	20864..20987, 21180..21331, 21535..21782, 21896..22018, 22108..23028, 23154..23278		
GI Descrip.	(Y13773) laccase [Populus balsamifera subsp. trichocarpa]		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37906	Strand	+
Start	20901	End	23505
Name	OJ991116_14.0222.C3.o5.gs	Method	GENSCAN
Start	20901	End	23505
GI	none	Score	.89
Exons	20901..20987, 21180..21331, 21535..21782, 21896..22018, 22108..23028, 23474..23505		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37906	Strand	+
Start	20901	End	23505
Name	OJ991116_14.0222.C3.o4.np	Method	AAT/NAP
Start	21090	End	23278
GI	2347188	Score	981
Exons	21090..21331, 21535..21782, 21896..22018, 22108..23028, 23154..23278		
GI Descrip.	(AC002338) putative laccase [Arabidopsis thaliana]		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37906	Strand	+
Start	20901	End	23505
Name	OJ991116_14.0222.C3.o2.gp	Method	AAT/GAP
Start	22419	End	22700
GI	428558	Score	540
Exons	22419..22700		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37907	Strand	+
Start	26303	End	29528
Name	OJ991116_14.0222.C3.o3.gp	Method	AAT/GAP
Start	26218	End	26531
GI	58082_1.R1084	Score	612
Exons	26218..26531		
GI Descrip.	'4895187/gb\|AAD32774.1\|AC007661_11 6.0e-24 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37907	Strand	+
Start	26303	End	29528
Name	OJ991116_14.0222.C3.o6.gs	Method	GENSCAN
Start	26303	End	29528
GI	none	Score	.83
Exons	26303..26932, 27314..28447, 28836..29528		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37907	Strand	+
Start	26303	End	29528
Name	OJ991116_14.0222.C3.o7.np	Method	AAT/NAP
Start	26303	End	26950
GI	4895187	Score	699
Exons	26303..26950		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37907	Strand	+
Start	26303	End	29528
Name	OJ991116_14.0222.C3.o8.np	Method	AAT/NAP
Start	26451	End	29525
GI	6822055	Score	1360
Exons	26451..26544, 27936..28447, 28836..29525		
GI Descrip.	(AL132957) fructokinase-like protein [Arabidopsis thaliana]		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37907	Strand	+
Start	26303	End	29528

Name	OJ991116_14.0222.C3.o4.gp	Method	AAT/GAP
Start	26603	End	27154
GI	68365_1.R1084	Score	1068
Exons	26603..27154		
GI Descrip.	'4895187/gb\|AAD32774.1\|AC007661_11 1.0e-37 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37908	Strand	-
Start	1	End	408
Name	OJ991116_14.0222.C3.o1.gs	Method	GENSCAN
Start	1	End	408
GI	none	Score	.59
Exons	1..366, 403..408		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37909	Strand	-
Start	14981	End	17880
Name	OJ991116_14.0222.C3.o4.gs	Method	GENSCAN
Start	14981	End	17880
GI	none	Score	.51
Exons	14981..15054, 16654..16726, 16924..17038, 17181..17356, 17688..17712, 17738..17880		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o4.ts	Method	TBLASTX:Soybean
Start	5263	End	21736
GI	none	Score	120
Exons	5263..5379, 5274..5375, 5456..5728, 5457..5744, 9925..10062, 12204..12275, 12205..12450, 12294..12431, 21198..21314, 21535..21729, 21536..21736		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o3.tc	Method	TBLASTX:Cress
Start	5308	End	21730
GI	none	Score	67
Exons	5308..5379, 5316..5375, 5456..5740, 5457..5744, 12205..12450, 21536..21730		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o1.tw	Method	TBLASTX:Wheat
Start	5457	End	21945
GI	none	Score	352
Exons	5457..5744, 5477..5734, 5511..5735, 12205..12450, 12207..12449, 12392..12499, 12518..12583, 12519..12584, 12543..12584, 21536..21730, 21568..21729, 21895..21945		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o6.tm	Method	TBLASTX:Maize

Start	5561	End	22292
GI	none	Score	157
Exons	5561..5665, 5562..5666, 5669..5902, 5670..5855, 5901..6089, 5911..6090, 12309..12425, 12310..12426, 12519..12659, 12536..12655, 12783..12959, 21635..21730, 21640..21729, 21889..22014, 21942..22001, 22131..22292, 22139..22291		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o8.ts	Method	TBLASTX:Soybean
Start	5751	End	22355
GI	none	Score	52
Exons	5751..5819, 5902..6162, 5919..6110, 12573..12662, 12756..13022, 21919..22014, 22092..22355, 22130..22345		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o2.tw	Method	TBLASTX:Wheat
Start	5919	End	26351
GI	none	Score	191
Exons	5919..6128, 5920..6123, 12777..13013, 22095..22391, 22130..22297, 26292..26351		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o8.tc	Method	TBLASTX:Cress
Start	5952	End	22823
GI	none	Score	187
Exons	5952..6161, 5953..6162, 6256..6324, 6462..6530, 6520..6591, 6643..6699, 12822..13028, 13296..13421, 13298..13420, 13443..13505, 13448..13501, 22155..22397, 22157..22345, 22680..22748, 22767..22823		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o3.ts	Method	TBLASTX:Soybean
Start	6355	End	23221
GI	none	Score	64
Exons	6355..6414, 6538..6600, 6607..6765, 6642..6758, 6813..6908, 6814..6897, 7539..7613, 13215..13325, 13353..13421, 13419..13595, 13439..13594, 13611..13700, 13613..13699, 13798..13947, 13817..13948, 22536..22595, 22650..22748, 22830..22940, 22934..23032, 22941..23030, 23140..23220, 23153..23221		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o2.tm	Method	TBLASTX:Maize
Start	6607	End	23221
GI	none	Score	158
Exons	6607..6765, 6607..6768, 6716..6769, 6811..6894, 6813..6899, 6814..6897, 7539..7613, 7539..7613, 13412..13603, 13413..13607,		

13610..13702, 13611..13700, 13811..13885, 13815..13895,
13816..13935, 13817..13933, 22743..22826, 22830..22925,
22850..22930, 22941..23030, 22943..23029, 23126..23221,
23130..23219, 23153..23221

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o6.tc	Method	TBLASTX:Cress
Start	6813	End	23221
GI	none	Score	110
Exons	6813..6896, 6814..6897, 7539..7610, 13536..13595, 13559..13594, 13611..13700, 13613..13699, 13816..13950, 13817..13954, 22937..23032, 22938..23030, 23135..23221		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o4.tm	Method	TBLASTX:Maize
Start	26296	End	26656
GI	none	Score	54
Exons	26296..26568, 26298..26318, 26303..26548, 26497..26568, 26558..26608, 26602..26640, 26603..26656		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o4.tc	Method	TBLASTX:Cress
Start	26302	End	26704
GI	none	Score	299
Exons	26302..26544, 26303..26545, 26585..26641, 26596..26640, 26651..26704, 26674..26700		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o5.ts	Method	TBLASTX:Soybean
Start	26302	End	26716
GI	none	Score	310
Exons	26302..26544, 26303..26545, 26603..26659, 26642..26716		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o7.tc	Method	TBLASTX:Cress
Start	27935	End	28132
GI	none	Score	217
Exons	27935..28132, 27977..28024, 28012..28131		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o6.ts	Method	TBLASTX:Soybean
Start	27968	End	28234
GI	none	Score	342
Exons	27968..28234, 28015..28233		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o7.tm	Method	TBLASTX:Maize
Start	28393	End	28988
GI	none	Score	76
Exons	28393..28452, 28394..28447, 28399..28458, 28825..28971, 28833..28988, 28833..28985, 28835..28987		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o5.tc	Method	TBLASTX:Cress
Start	28830	End	29236
GI	none	Score	224
Exons	28830..29060, 28835..29032, 29145..29234, 29153..29236		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	28988	End	29505
GI	none	Score	855
Exons	28988..29500, 28989..29504, 29356..29505, 29374..29505		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	28991	End	29530
GI	none	Score	723
Exons	28991..29077, 28992..29525, 29129..29530, 29374..29529		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o2.tc	Method	TBLASTX:Cress
Start	29237	End	29528
GI	none	Score	76
Exons	29237..29323, 29238..29528, 29240..29527		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o9.np	Method	AAT/NAP
Start	29701	End	33822
GI	4895186	Score	1318
Exons	29701..29756, 30691..30884, 30954..31430, 31528..31757, 31856..31988, 32083..32166, 32265..32340, 32427..32490, 33803..33822		
GI Descrip.	(AC007661) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o7.gs	Method	GENSCAN

Start	30680	End	32541
GI	none	Score	.68
Exons	30680..30884, 30954..31245, 31312..31430, 31528..31757, 31856..31988, 32083..32171, 32270..32340, 32427..32541		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o9.ts	Method	TBLASTX:Soybean
Start	30701	End	30874
GI	none	Score	75
Exons	30701..30874, 30714..30815		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o2.ts	Method	TBLASTX:Soybean
Start	30933	End	31727
GI	none	Score	122
Exons	30933..31115, 30943..31107, 30945..31166, 30953..31432, 30956..31210, 31149..31433, 31527..31727, 31533..31724		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o1.tc	Method	TBLASTX:Cress
Start	30945	End	31727
GI	none	Score	308
Exons	30945..31256, 30953..31294, 30954..31292, 31358..31432, 31383..31433, 31527..31727, 31633..31716		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o5.tm	Method	TBLASTX:Maize
Start	30951	End	31432
GI	none	Score	69
Exons	30951..31121, 30953..31192, 31182..31295, 31187..31432		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o5.gp	Method	AAT/GAP
Start	30982	End	31442
GI	uC-osflcyp055b03b1	Score	893
Exons	30982..31442		
GI Descrip.	'4895186/gb\|AAD32773.1\|AC007661_10 2.0e-69 (AC007661) putative growth regulator protein [Arabidopsis thaliana]'		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o6.gp	Method	AAT/GAP
Start	31364	End	32164
GI	29740_1.R1084	Score	901
Exons	31364..31430, 31528..31757, 31856..31988, 32083..32164		
GI Descrip.	'4895186/gb\|AAD32773.1\|AC007661_10 3.0e-50 (AC007661) putative		

growth regulator protein [Arabidopsis thaliana]'

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o3.tm	Method	TBLASTX:Maize
Start	31617	End	32327
GI	none	Score	139
Exons	31617..31769, 31623..31757, 31630..31758, 31856..31990, 31859..31990, 32080..32172, 32085..32171, 32264..32323, 32267..32326, 32271..32327		

Seq. No.	18099	Seq. ID	OJ991116_14.0222.C3
Gene No.	37910	Strand	-
Start	29701	End	33822
Name	OJ991116_14.0222.C3.o7.ts	Method	TBLASTX:Soybean
Start	31856	End	32493
GI	none	Score	85
Exons	31856..31990, 31863..31991, 32080..32172, 32085..32171, 32264..32326, 32264..32326, 32437..32493, 32449..32490		

Seq. No.	18100	Seq. ID	OJ991116_14.0222.C4
Gene No.	37911	Strand	-
Start	98	End	544
Name	OJ991116_14.0222.C4.o1.gs	Method	GENSCAN
Start	98	End	544
GI	none	Score	.46
Exons	98..544		

Seq. No.	18101	Seq. ID	OJ991116_14.0222.C5
Gene No.	37912	Strand	-
Start	1011	End	1766
Name	OJ991116_14.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	936	End	1723
GI	none	Score	132
Exons	936..986, 998..1087, 999..1091, 1009..1092, 1009..1092, 1319..1519, 1335..1490, 1336..1500, 1568..1618, 1573..1644, 1573..1617, 1691..1723, 1693..1722		

Seq. No.	18101	Seq. ID	OJ991116_14.0222.C5
Gene No.	37912	Strand	-
Start	1011	End	1766
Name	OJ991116_14.0222.C5.o1.gs	Method	GENSCAN
Start	1011	End	1764
GI	none	Score	.65
Exons	1011..1091, 1329..1539, 1694..1764		

Seq. No.	18101	Seq. ID	OJ991116_14.0222.C5
Gene No.	37912	Strand	-
Start	1011	End	1766
Name	OJ991116_14.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	1011	End	1764
GI	none	Score	65
Exons	1011..1103, 1332..1400, 1401..1466, 1573..1617, 1574..1618, 1690..1761, 1693..1764		

Seq. No.	18101	Seq. ID	OJ991116_14.0222.C5

Gene No.	37912	Strand	-
Start	1011	End	1766
Name	OJ991116_14.0222.C5.o1.np	Method	AAT/NAP
Start	1014	End	1766
GI	4895190	Score	165
Exons	1014..1091, 1329..1385, 1434..1489, 1572..1618, 1694..1766		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	18102	Seq. ID	OJ991116_14.0222.C6
Gene No.	37913	Strand	+
Start	5198	End	7755
Name	OJ991116_14.0222.C6.o2.gs	Method	GENSCAN
Start	5198	End	7755
GI	none	Score	.4
Exons	5198..5245, 5930..6019, 6161..6414, 6626..6758, 7423..7509, 7627..7755		

Seq. No.	18102	Seq. ID	OJ991116_14.0222.C6
Gene No.	37914	Strand	-
Start	1	End	3722
Name	OJ991116_14.0222.C6.o1.gp	Method	AAT/GAP
Start	1	End	1406
GI	2312423	Score	691
Exons	1..36, 122..182, 284..355, 444..524, 1153..1221, 1315..1406		
GI Descrip.	4895190/gb\|AAD32777.1\|AC007661_14 2.0e-58 (AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	18102	Seq. ID	OJ991116_14.0222.C6
Gene No.	37914	Strand	-
Start	1	End	3722
Name	OJ991116_14.0222.C6.o1.np	Method	AAT/NAP
Start	1	End	3200
GI	4895190	Score	469
Exons	1..34, 123..182, 284..355, 444..524, 1153..1221, 1315..1401, 3002..3091, 3168..3200		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	18102	Seq. ID	OJ991116_14.0222.C6
Gene No.	37914	Strand	-
Start	1	End	3722
Name	OJ991116_14.0222.C6.o1.gs	Method	GENSCAN
Start	122	End	3722
GI	none	Score	.93
Exons	122..182, 284..355, 1153..1221, 1315..1401, 3002..3091, 3258..3722		

Seq. No.	18102	Seq. ID	OJ991116_14.0222.C6
Gene No.	37914	Strand	-
Start	1	End	3722
Name	OJ991116_14.0222.C6.o2.gp	Method	AAT/GAP
Start	3230	End	3539
GI	428973	Score	564
Exons	3230..3539		

Seq. No.	18102	Seq. ID	OJ991116_14.0222.C6
Gene No.	37915	Strand	-
Start	9591	End	12295

Name	OJ991116_14.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	3191
GI	none	Score	65
Exons	2..34, 123..185, 284..340, 285..371, 438..524, 443..496, 1168..1221, 1169..1222, 1298..1405, 1315..1401, 3002..3094, 3153..3191		

Seq. No.	18102	Seq. ID	OJ991116_14.0222.C6
Gene No.	37915	Strand	-
Start	9591	End	12295
Name	OJ991116_14.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	121	End	3230
GI	none	Score	86
Exons	121..189, 123..185, 283..426, 284..340, 306..353, 438..524, 442..525, 443..532, 443..529, 1134..1211, 1153..1221, 1154..1222, 1313..1405, 1315..1401, 1316..1402, 3002..3088, 3002..3145, 3015..3092, 3145..3207, 3146..3208, 3162..3230		

Seq. No.	18102	Seq. ID	OJ991116_14.0222.C6
Gene No.	37915	Strand	-
Start	9591	End	12295
Name	OJ991116_14.0222.C6.o3.gs	Method	GENSCAN
Start	9591	End	12295
GI	none	Score	.66
Exons	9591..9639, 10154..10271, 12241..12295		

Seq. No.	18103	Seq. ID	OJ991116_14.0222.C8
Gene No.	37916	Strand	-
Start	1	End	1168
Name	OJ991116_14.0222.C8.o1.np	Method	AAT/NAP
Start	1	End	1168
GI	2088640	Score	43
Exons	1..57, 183..377, 479..584, 1012..1168		
GI Descrip.	(AF002109) unknown protein [Arabidopsis thaliana]		

Seq. No.	18103	Seq. ID	OJ991116_14.0222.C8
Gene No.	37916	Strand	-
Start	1	End	1168
Name	OJ991116_14.0222.C8.o1.gs	Method	GENSCAN
Start	27	End	674
GI	none	Score	.99
Exons	27..377, 471..674		

Seq. No.	18103	Seq. ID	OJ991116_14.0222.C8
Gene No.	37916	Strand	-
Start	1	End	1168
Name	OJ991116_14.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	120	End	638
GI	none	Score	49
Exons	120..374, 187..228, 295..375, 493..510, 504..638		

Seq. No.	18103	Seq. ID	OJ991116_14.0222.C8
Gene No.	37916	Strand	-
Start	1	End	1168
Name	OJ991116_14.0222.C8.o1.gp	Method	AAT/GAP
Start	450	End	718
GI	uC-osf1M202080h07b1	Score	483

Exons	450..718		
GI Descrip.	'4895190/gb\|AAD32777.1\|AC007661_14 2.0e-58 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18104	Seq. ID	OJ991116_14.0222.C9
Gene No.	37917	Strand	+
Start	93	End	3075
Name	OJ991116_14.0222.C9.o1.gs	Method	GENSCAN
Start	93	End	3075
GI	none	Score	.69
Exons	93..216, 2634..2783, 2840..2970, 3040..3075		

Seq. No.	18105	Seq. ID	OJ991116_14.0222.C10
Gene No.	37918	Strand	+
Start	178	End	3555
Name	OJ991116_14.0222.C10.o1.gs	Method	GENSCAN
Start	178	End	3555
GI	none	Score	.87
Exons	178..942, 1018..1182, 1235..1432, 1547..1871, 1959..2027, 2098..2395, 2479..2677, 2756..2854, 2944..3200, 3277..3352, 3442..3555		

Seq. No.	18105	Seq. ID	OJ991116_14.0222.C10
Gene No.	37919	Strand	-
Start	4282	End	4737
Name	OJ991116_14.0222.C10.o2.gs	Method	GENSCAN
Start	4282	End	4737
GI	none	Score	.59
Exons	4282..4737		

Seq. No.	18106	Seq. ID	OJ991116_14.0222.C11
Gene No.	37920	Strand	-
Start	1	End	1378
Name	OJ991116_14.0222.C11.o1.np	Method	AAT/NAP
Start	1	End	1378
GI	6907086	Score	610
Exons	1..446, 510..989, 1323..1378		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18106	Seq. ID	OJ991116_14.0222.C11
Gene No.	37920	Strand	-
Start	1	End	1378
Name	OJ991116_14.0222.C11.o1.gs	Method	GENSCAN
Start	275	End	860
GI	none	Score	.51
Exons	275..393, 561..762, 767..860		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37921	Strand	+
Start	145	End	654
Name	OJ991116_14.0222.C12.o1.gp	Method	AAT/GAP
Start	145	End	654
GI	38782_1.R1084	Score	821
Exons	145..654		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37921	Strand	+
Start	145	End	654
Name	OJ991116_14.0222.C12.o1.gs	Method	GENSCAN
Start	281	End	354
GI	none	Score	.99
Exons	281..354		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37922	Strand	+
Start	1818	End	5596
Name	OJ991116_14.0222.C12.o2.gs	Method	GENSCAN
Start	1818	End	5596
GI	none	Score	.84
Exons	1818..2047, 2052..2304, 2358..2450, 4802..5596		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o1.np	Method	AAT/NAP
Start	5824	End	10286
GI	4680179	Score	5636
Exons	5824..6877, 6905..10286		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o3.gs	Method	GENSCAN
Start	5867	End	10289
GI	none	Score	.9
Exons	5867..6213, 6238..6415, 6512..6962, 7132..10289		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o9.tw	Method	TBLASTX:Wheat
Start	6028	End	6226
GI	none	Score	208
Exons	6028..6225, 6029..6226		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o7.tw	Method	TBLASTX:Wheat
Start	6275	End	6628
GI	none	Score	296
Exons	6275..6472, 6278..6628		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o6.tm	Method	TBLASTX:Maize
Start	6278	End	6616
GI	none	Score	247
Exons	6278..6616, 6278..6574		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o8.tw	Method	TBLASTX:Wheat
Start	6962	End	7316
GI	none	Score	143
Exons	6962..7111, 7128..7316		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o7.tm	Method	TBLASTX:Maize
Start	7350	End	7511
GI	none	Score	185
Exons	7350..7511, 7358..7465		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o4.tw	Method	TBLASTX:Wheat
Start	7448	End	7931
GI	none	Score	536
Exons	7448..7888, 7449..7931, 7560..7928		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o4.ts	Method	TBLASTX:Soybean
Start	7485	End	7799
GI	none	Score	199
Exons	7485..7799		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o4.tm	Method	TBLASTX:Maize
Start	7514	End	7985
GI	none	Score	399
Exons	7514..7951, 7518..7985		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	7872	End	8267
GI	none	Score	57
Exons	7872..7904, 7872..7904, 7908..8267, 7910..7951, 8024..8257		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o5.tw	Method	TBLASTX:Wheat
Start	7980	End	8282
GI	none	Score	418
Exons	7980..8282, 8021..8281		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12

Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o5.tm	Method	TBLASTX:Maize
Start	8001	End	8348
GI	none	Score	326
Exons	8001..8348, 8069..8347		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o3.tw	Method	TBLASTX:Wheat
Start	8283	End	8708
GI	none	Score	600
Exons	8283..8708, 8285..8701, 8358..8708		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o3.ts	Method	TBLASTX:Soybean
Start	8289	End	8537
GI	none	Score	207
Exons	8289..8537		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o2.tm	Method	TBLASTX:Maize
Start	8355	End	8708
GI	none	Score	465
Exons	8355..8708, 8360..8701		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o2.tw	Method	TBLASTX:Wheat
Start	8736	End	9275
GI	none	Score	615
Exons	8736..9275, 8918..9271		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	8973	End	9299
GI	none	Score	90
Exons	8973..9155, 9156..9299, 9158..9298		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o2.ts	Method	TBLASTX:Soybean
Start	9063	End	9323
GI	none	Score	301
Exons	9063..9323, 9074..9322		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+

Start	5867	End	10289
Name	OJ991116_14.0222.C12.o3.tm	Method	TBLASTX:Maize
Start	9121	End	9413
GI	none	Score	411
Exons	9121..9408, 9122..9409, 9123..9413		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	9282	End	9908
GI	none	Score	727
Exons	9282..9908, 9284..9793, 9453..9866, 9839..9907		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	9461	End	10046
GI	none	Score	229
Exons	9461..9616, 9462..9623, 9620..9781, 9621..10046, 9839..10045		

Seq. No.	18107	Seq. ID	OJ991116_14.0222.C12
Gene No.	37923	Strand	+
Start	5867	End	10289
Name	OJ991116_14.0222.C12.o6.tw	Method	TBLASTX:Wheat
Start	9908	End	10241
GI	none	Score	309
Exons	9908..10189, 9909..10241		

Seq. No.	18108	Seq. ID	OJ991116_14.0222.C13
Gene No.	37924	Strand	+
Start	1	End	440
Name	OJ991116_14.0222.C13.o1.np	Method	AAT/NAP
Start	1	End	440
GI	5777623	Score	79
Exons	1..42, 135..440		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o1.gs	Method	GENSCAN
Start	133	End	8542
GI	none	Score	.91
Exons	133..247, 339..424, 2921..3514, 3558..3680, 4091..7660, 7862..8542		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o1.gp	Method	AAT/GAP
Start	2145	End	2355
GI	1631463	Score	306
Exons	2145..2355		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2		

retrotransposon, complete sequences; and unknown genes

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o1.np	Method	AAT/NAP
Start	4091	End	8653
GI	4680179	Score	7746
Exons	4091..8653		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o7.tw	Method	TBLASTX:Wheat
Start	4357	End	4717
GI	none	Score	303
Exons	4357..4458, 4358..4717, 4388..4717		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o6.tm	Method	TBLASTX:Maize
Start	4598	End	4894
GI	none	Score	206
Exons	4598..4894, 4601..4882, 4615..4785		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o8.tw	Method	TBLASTX:Wheat
Start	5237	End	5653
GI	none	Score	145
Exons	5237..5446, 5290..5385, 5468..5653, 5497..5652		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o4.tw	Method	TBLASTX:Wheat
Start	5816	End	6298
GI	none	Score	552
Exons	5816..6298, 5920..6255, 5966..6265		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o5.tm	Method	TBLASTX:Maize
Start	5828	End	6117
GI	none	Score	314
Exons	5828..6115, 5926..6117		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o4.ts	Method	TBLASTX:Soybean
Start	5852	End	6166
GI	none	Score	183

Exons	5852..6166		
Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o3.tm	Method	TBLASTX:Maize
Start	6185	End	6685
GI	none	Score	161
Exons	6185..6364, 6350..6685, 6436..6567, 6592..6642		
Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	6239	End	6634
GI	none	Score	57
Exons	6239..6271, 6241..6270, 6275..6634, 6275..6355, 6379..6633		
Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o5.tw	Method	TBLASTX:Wheat
Start	6347	End	6649
GI	none	Score	402
Exons	6347..6649, 6348..6449, 6379..6648		
Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o2.tw	Method	TBLASTX:Wheat
Start	6650	End	7159
GI	none	Score	636
Exons	6650..7159, 6682..7071, 6728..7075		
Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o3.ts	Method	TBLASTX:Soybean
Start	6656	End	6901
GI	none	Score	202
Exons	6656..6901		
Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o2.tm	Method	TBLASTX:Maize
Start	6722	End	7087
GI	none	Score	495
Exons	6722..7075, 6724..6990, 6774..7085, 6776..7087		
Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o2.np	Method	AAT/NAP
Start	6926	End	9437
GI	119714	Score	146
Exons	6926..6990, 8982..9437		

GI Descrip. EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o3.tw	Method	TBLASTX:Wheat
Start	7163	End	7642
GI	none	Score	588
Exons	7163..7642, 7208..7609, 7387..7641		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	7349	End	7666
GI	none	Score	89
Exons	7349..7522, 7523..7666, 7525..7665		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o2.ts	Method	TBLASTX:Soybean
Start	7430	End	7690
GI	none	Score	299
Exons	7430..7690, 7435..7689		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o4.tm	Method	TBLASTX:Maize
Start	7489	End	7780
GI	none	Score	380
Exons	7489..7776, 7490..7780		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o1.tw	Method	TBLASTX:Wheat
Start	7649	End	8275
GI	none	Score	722
Exons	7649..8275, 7651..8274		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	7829	End	8428
GI	none	Score	221
Exons	7829..7990, 7837..7983, 7988..8428, 7990..8415		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o6.tw	Method	TBLASTX:Wheat

Start	8275	End	8608
GI	none	Score	365
Exons	8275..8484, 8276..8608		

Seq. No.	18109	Seq. ID	OJ991116_14.0222.C15
Gene No.	37925	Strand	+
Start	133	End	9437
Name	OJ991116_14.0222.C15.o7.tm	Method	TBLASTX:Maize
Start	8432	End	8629
GI	none	Score	189
Exons	8432..8629		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37926	Strand	+
Start	1	End	2749
Name	OJ991116_14.0222.C16.o1.gp	Method	AAT/GAP
Start	1	End	219
GI	1631463	Score	319
Exons	1..219		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37926	Strand	+
Start	1	End	2749
Name	OJ991116_14.0222.C16.o1.np	Method	AAT/NAP
Start	1	End	2749
GI	6907089	Score	2890
Exons	1..35, 283..778, 882..2749		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o2.gs	Method	GENSCAN
Start	3372	End	7099
GI	none	Score	.41
Exons	3372..4188, 4408..6105, 6123..6907, 6971..7099		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o4.tm	Method	TBLASTX:Maize
Start	3372	End	3515
GI	none	Score	126
Exons	3372..3515, 3376..3510		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o2.np	Method	AAT/NAP
Start	3375	End	7144
GI	6498441	Score	4993
Exons	3375..3656, 3750..5147, 5319..6042, 6216..6350, 6534..6907, 6971..7144		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the		

predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o5.tw	Method	TBLASTX:Wheat
Start	3384	End	3986
GI	none	Score	77
Exons	3384..3509, 3388..3510, 3697..3981, 3702..3986		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o3.tw	Method	TBLASTX:Wheat
Start	3987	End	4368
GI	none	Score	226
Exons	3987..4367, 4018..4368		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o2.tm	Method	TBLASTX:Maize
Start	4143	End	4505
GI	none	Score	200
Exons	4143..4190, 4162..4296, 4182..4505, 4195..4476		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o6.tw	Method	TBLASTX:Wheat
Start	4698	End	5010
GI	none	Score	67
Exons	4698..4958, 4834..5010		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o2.ts	Method	TBLASTX:Soybean
Start	4758	End	5324
GI	5666795	Score	70
Exons	4758..4958, 5013..5150, 5226..5324		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o4.tw	Method	TBLASTX:Wheat
Start	5013	End	5447
GI	none	Score	88
Exons	5013..5162, 5014..5151, 5206..5382, 5223..5447		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o1.ts	Method	TBLASTX:Soybean
Start	5880	End	6250

GI	none	Score	83
Exons	5880..6110, 6107..6250, 6108..6233		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o2.tw	Method	TBLASTX:Wheat
Start	5910	End	6329
GI	none	Score	88
Exons	5910..6116, 5935..6090, 6098..6328, 6099..6329		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o3.tm	Method	TBLASTX:Maize
Start	6003	End	6386
GI	none	Score	196
Exons	6003..6113, 6101..6385, 6102..6386		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	6413	End	6769
GI	none	Score	134
Exons	6413..6718, 6413..6769, 6423..6734		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o1.tw	Method	TBLASTX:Wheat
Start	6437	End	6900
GI	none	Score	206
Exons	6437..6898, 6443..6898, 6444..6899, 6802..6900		

Seq. No.	18110	Seq. ID	OJ991116_14.0222.C16
Gene No.	37927	Strand	-
Start	3372	End	7144
Name	OJ991116_14.0222.C16.o3.ts	Method	TBLASTX:Soybean
Start	6494	End	6859
GI	none	Score	114
Exons	6494..6628, 6635..6859		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37928	Strand	+
Start	1	End	4813
Name	OJ991116_14.0222.C17.o2.np	Method	AAT/NAP
Start	1	End	4813
GI	4680179	Score	1994
Exons	1..57, 3088..4813		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37929	Strand	-
Start	1	End	1450
Name	OJ991116_14.0222.C17.o1.np	Method	AAT/NAP
Start	1	End	1450

GI	6498441	Score	1763
Exons	1..56, 386..1450		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37929	Strand	-
Start	1	End	1450
Name	OJ991116_14.0222.C17.o6.tw	Method	TBLASTX:Wheat
Start	7	End	296
GI	none	Score	125
Exons	7..126, 105..296		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37929	Strand	-
Start	1	End	1450
Name	OJ991116_14.0222.C17.o4.tw	Method	TBLASTX:Wheat
Start	909	End	1298
GI	none	Score	105
Exons	909..1166, 943..1182, 1149..1247, 1150..1230, 1254..1298		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37929	Strand	-
Start	1	End	1450
Name	OJ991116_14.0222.C17.o3.tm	Method	TBLASTX:Maize
Start	1011	End	1259
GI	none	Score	104
Exons	1011..1259, 1012..1257		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37930	Strand	
Start	3089	End	3239
Name	OJ991116_14.0222.C17.o5.tm	Method	TBLASTX:Maize
Start	3089	End	3239
GI	none	Score	192
Exons	3089..3202, 3090..3239		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37930	Strand	
Start	3089	End	3239
Name	OJ991116_14.0222.C17.o5.tw	Method	TBLASTX:Wheat
Start	3089	End	3239
GI	none	Score	215
Exons	3089..3187, 3090..3239, 3090..3224		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37931	Strand	
Start	3282	End	4769
Name	OJ991116_14.0222.C17.o2.tw	Method	TBLASTX:Wheat
Start	3282	End	3803
GI	none	Score	126
Exons	3282..3500, 3506..3799, 3507..3803		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37931	Strand	
Start	3282	End	4769

Name	OJ991116_14.0222.C17.o1.tc	Method	TBLASTX:Cress
Start	3486	End	3827
GI	none	Score	120
Exons	3486..3683, 3531..3683, 3684..3827, 3686..3811		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37931	Strand	
Start	3282	End	4769
Name	OJ991116_14.0222.C17.o1.ts	Method	TBLASTX:Soybean
Start	3611	End	3851
GI	none	Score	292
Exons	3611..3850, 3612..3851, 3723..3851		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37931	Strand	
Start	3282	End	4769
Name	OJ991116_14.0222.C17.o2.tm	Method	TBLASTX:Maize
Start	3651	End	3941
GI	none	Score	377
Exons	3651..3941, 3662..3937		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37931	Strand	
Start	3282	End	4769
Name	OJ991116_14.0222.C17.o1.tw	Method	TBLASTX:Wheat
Start	3810	End	4436
GI	none	Score	654
Exons	3810..4436, 3866..4435		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37931	Strand	
Start	3282	End	4769
Name	OJ991116_14.0222.C17.o1.tm	Method	TBLASTX:Maize
Start	3989	End	4586
GI	none	Score	97
Exons	3989..4141, 3990..4142, 3993..4214, 3998..4144, 4148..4576, 4149..4586, 4149..4577		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37931	Strand	
Start	3282	End	4769
Name	OJ991116_14.0222.C17.o3.tw	Method	TBLASTX:Wheat
Start	4436	End	4769
GI	none	Score	361
Exons	4436..4717, 4437..4769, 4476..4748		

Seq. No.	18111	Seq. ID	OJ991116_14.0222.C17
Gene No.	37931	Strand	
Start	3282	End	4769
Name	OJ991116_14.0222.C17.o4.tm	Method	TBLASTX:Maize
Start	4593	End	4754
GI	none	Score	192
Exons	4593..4751, 4596..4754		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37932	Strand	+
Start	2357	End	2848

Name	OJ991116_14.0222.C18.o1.gp	Method	AAT/GAP
Start	2357	End	2848
GI	38782_1.R1084	Score	799
Exons	2357..2848		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o1.np	Method	AAT/NAP
Start	4423	End	7797
GI	4680179	Score	2403
Exons	4423..5476, 5579..7281, 7773..7797		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o5.tw	Method	TBLASTX:Wheat
Start	4639	End	5016
GI	none	Score	256
Exons	4639..5016		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o3.tm	Method	TBLASTX:Maize
Start	4897	End	5298
GI	none	Score	239
Exons	4897..5298		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o4.tm	Method	TBLASTX:Maize
Start	5608	End	5931
GI	none	Score	200
Exons	5608..5931		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o3.tw	Method	TBLASTX:Wheat
Start	5614	End	6018
GI	none	Score	163
Exons	5614..5835, 5614..5667, 5658..5768, 5844..5990, 5848..6018		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o5.tm	Method	TBLASTX:Maize
Start	6031	End	6228
GI	none	Score	199
Exons	6031..6228, 6129..6227		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18

Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o1.tw	Method	TBLASTX:Wheat
Start	6159	End	6642
GI	none	Score	536
Exons	6159..6614, 6160..6642		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o2.tm	Method	TBLASTX:Maize
Start	6229	End	6696
GI	none	Score	379
Exons	6229..6696, 6301..6474		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o1.ts	Method	TBLASTX:Soybean
Start	6583	End	6978
GI	none	Score	56
Exons	6583..6615, 6600..6695, 6619..6978, 6735..6950		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o2.tw	Method	TBLASTX:Wheat
Start	6691	End	7092
GI	none	Score	467
Exons	6691..7092, 6735..7091		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o1.tm	Method	TBLASTX:Maize
Start	6879	End	7272
GI	none	Score	392
Exons	6879..7259, 6880..7272		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o2.ts	Method	TBLASTX:Soybean
Start	7000	End	7245
GI	none	Score	210
Exons	7000..7245		

Seq. No.	18112	Seq. ID	OJ991116_14.0222.C18
Gene No.	37933	Strand	+
Start	4423	End	7797
Name	OJ991116_14.0222.C18.o4.tw	Method	TBLASTX:Wheat
Start	7093	End	7272
GI	none	Score	261
Exons	7093..7272, 7101..7271		

Seq. No.	18113	Seq. ID	OJ991116_14.0222.C19
Gene No.	37934	Strand	+

Start	290	End	1837
Name	OJ991116_14.0222.C19.o1.gs	Method	GENSCAN
Start	290	End	1714
GI	none	Score	.51
Exons	290..351, 832..1714		

Seq. No.	18113	Seq. ID	OJ991116_14.0222.C19
Gene No.	37934	Strand	+
Start	290	End	1837
Name	OJ991116_14.0222.C19.o2.np	Method	AAT/NAP
Start	851	End	1837
GI	6907089	Score	1272
Exons	851..1624, 1799..1837		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18113	Seq. ID	OJ991116_14.0222.C19
Gene No.	37935	Strand	-
Start	1	End	1837
Name	OJ991116_14.0222.C19.o1.np	Method	AAT/NAP
Start	1	End	1837
GI	5689269	Score	11
Exons	1..181, 667..767, 1796..1837		
GI Descrip.	(AB024414) ORF 4 [Gallid herpesvirus 1 (serotype 2)]		

Seq. No.	18114	Seq. ID	OJ991206_08.0218.C1
Gene No.	37936	Strand	+
Start	1	End	686
Name	OJ991206_08.0218.C1.o1.np	Method	AAT/NAP
Start	1	End	686
GI	5852180	Score	51
Exons	1..115, 345..407, 621..686		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	18114	Seq. ID	OJ991206_08.0218.C1
Gene No.	37936	Strand	+
Start	1	End	686
Name	OJ991206_08.0218.C1.o2.np	Method	AAT/NAP
Start	1	End	686
GI	4680186	Score	307
Exons	1..25, 502..686		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18114	Seq. ID	OJ991206_08.0218.C1
Gene No.	37936	Strand	+
Start	1	End	686
Name	OJ991206_08.0218.C1.o1.gs	Method	GENSCAN
Start	350	End	654
GI	none	Score	.76
Exons	350..407, 561..654		

Seq. No.	18114	Seq. ID	OJ991206_08.0218.C1
Gene No.	37937	Strand	-
Start	252	End	634
Name	OJ991206_08.0218.C1.o1.gp	Method	AAT/GAP
Start	252	End	634
GI	uC-osflcyp033a04b1	Score	700
Exons	252..634		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	18115	Seq. ID	OJ991206_08.0218.C4
Gene No.	37938	Strand	-
Start	1	End	1274
Name	OJ991206_08.0218.C4.o1.np	Method	AAT/NAP
Start	1	End	827
GI	4680203	Score	904
Exons	1..827		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	18115	Seq. ID	OJ991206_08.0218.C4
Gene No.	37938	Strand	-
Start	1	End	1274
Name	OJ991206_08.0218.C4.o1.gs	Method	GENSCAN
Start	15	End	827
GI	none	Score	.84
Exons	15..827		

Seq. No.	18115	Seq. ID	OJ991206_08.0218.C4
Gene No.	37938	Strand	-
Start	1	End	1274
Name	OJ991206_08.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	63	End	353
GI	none	Score	103
Exons	63..128, 135..353, 139..345		

Seq. No.	18115	Seq. ID	OJ991206_08.0218.C4
Gene No.	37938	Strand	-
Start	1	End	1274
Name	OJ991206_08.0218.C4.o1.tw	Method	TBLASTX:Wheat
Start	120	End	476
GI	none	Score	158
Exons	120..377, 125..376, 135..386, 136..378, 369..476		

Seq. No.	18115	Seq. ID	OJ991206_08.0218.C4		
Gene No.	37938	Strand	-		
Start	1	End	1274		
Name	OJ991206_08.0218.C4.o1.gp	Method	AAT/GAP		
Start	688	End	1274		
GI	2310235	Score	303		
Exons	688..827, 1237..1274				
GI Descrip.	5852182/emb	CAB55420.1	9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37939	Strand	+
Start	1484	End	5254
Name	OJ991206_08.0218.C5.o1.np	Method	AAT/NAP
Start	1484	End	4270
GI	5541712	Score	1002
Exons	1484..1873, 1974..2159, 2279..2365, 2435..2514, 2612..2693, 2888..2908, 3298..3343, 3459..3577, 3779..3896, 4095..4270		
GI Descrip.	(AL096860) putative protein [Arabidopsis thaliana]		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5

Gene No.	37939	Strand	+
Start	1484	End	5254
Name	OJ991206_08.0218.C5.o1.gs	Method	GENSCAN
Start	1499	End	5254
GI	none	Score	.53
Exons	1499..1873, 1974..2159, 2279..2365, 2435..2514, 2612..2693, 2888..2908, 3298..3343, 3459..3577, 3979..4053, 4162..4251, 4698..4807, 4996..5254		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37940	Strand	+
Start	5941	End	8650
Name	OJ991206_08.0218.C5.o2.gs	Method	GENSCAN
Start	5941	End	8650
GI	none	Score	.8
Exons	5941..6231, 6335..6401, 6568..6660, 7235..7287, 8561..8650		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37940	Strand	+
Start	5941	End	8650
Name	OJ991206_08.0218.C5.o1.gp	Method	AAT/GAP
Start	6182	End	8599
GI	none	Score	860
Exons	6182..6231, 6335..6401, 6583..6660, 7235..7287, 7673..7756, 7856..7908, 7996..8060, 8167..8225, 8561..8599		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37941	Strand	-
Start	8486	End	8934
Name	OJ991206_08.0218.C5.o2.gp	Method	AAT/GAP
Start	8486	End	8934
GI	uC-osrocyp030c07b1	Score	603
Exons	8486..8510, 8553..8934		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o4.tm	Method	TBLASTX:Maize
Start	2040	End	2377
GI	none	Score	187
Exons	2040..2165, 2040..2165, 2215..2367, 2245..2376, 2279..2377		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o2.tm	Method	TBLASTX:Maize
Start	2449	End	5253
GI	none	Score	71
Exons	2449..2514, 2452..2511, 2589..2693, 2609..2707, 2609..2692, 2611..2694, 3284..3346, 3294..3344, 3297..3347, 3460..3576, 3461..3577, 3464..3580, 3499..3585, 3777..3890, 3778..3903, 3779..3895, 3948..4052, 3988..4053, 3992..4054, 4157..4252, 4161..4250, 4162..4260, 4162..4251, 4692..4808, 4695..4808, 4697..4822, 4992..5105, 4994..5056, 5090..5251, 5111..5251,		

5113..5253

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o2.ts	Method	TBLASTX:Soybean
Start	2643	End	3901
GI	none	Score	71
Exons	2643..2693, 3294..3344, 3297..3347, 3460..3576, 3461..3577, 3462..3578, 3464..3580, 3499..3585, 3778..3900, 3779..3901		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o1.tc	Method	TBLASTX:Cress
Start	4692	End	5259
GI	none	Score	100
Exons	4692..4808, 4993..5046, 4994..5050, 5111..5254, 5113..5259		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o2.tw	Method	TBLASTX:Wheat
Start	5124	End	5259
GI	none	Score	182
Exons	5124..5237, 5125..5259, 5126..5257		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o5.tm	Method	TBLASTX:Maize
Start	7697	End	8653
GI	none	Score	88
Exons	7697..7783, 7699..7785, 7700..7756, 7702..7758, 7825..7908, 7854..7913, 7856..7912, 7991..8068, 7992..8078, 7992..8078, 7994..8089, 8146..8226, 8163..8231, 8163..8216, 8165..8221, 8554..8652, 8558..8653, 8560..8652		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o2.np	Method	AAT/NAP
Start	9068	End	10898
GI	6466937	Score	890
Exons	9068..9192, 9393..10898		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o3.gs	Method	GENSCAN
Start	9305	End	10839
GI	none	Score	.57
Exons	9305..9790, 9803..9910, 10244..10839		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5

Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o6.tm	Method	TBLASTX:Maize
Start	9339	End	9676
GI	none	Score	56
Exons	9339..9452, 9365..9676, 9367..9420, 9408..9494		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o1.tw	Method	TBLASTX:Wheat
Start	9776	End	10351
GI	none	Score	263
Exons	9776..9880, 9974..10351		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	9977	End	10528
GI	none	Score	204
Exons	9977..10528, 9978..10472		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	10205	End	10528
GI	none	Score	171
Exons	10205..10528, 10206..10511		

Seq. No.	18116	Seq. ID	OJ991206_08.0218.C5
Gene No.	37942	Strand	-
Start	9068	End	10898
Name	OJ991206_08.0218.C5.o3.tm	Method	TBLASTX:Maize
Start	10529	End	10897
GI	none	Score	100
Exons	10529..10570, 10571..10849, 10587..10730, 10835..10897		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37943	Strand	+
Start	3676	End	22431
Name	OJ991206_08.0218.C6.o2.gs	Method	GENSCAN
Start	3676	End	5978
GI	none	Score	.67
Exons	3676..3728, 3800..3928, 3956..4036, 4332..4437, 4621..4662, 5749..5811, 5901..5978		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37943	Strand	+
Start	3676	End	22431
Name	OJ991206_08.0218.C6.o3.np	Method	AAT/NAP
Start	3963	End	13828
GI	6907098	Score	2524
Exons	3963..4022, 8369..8522, 8707..9457, 9503..9773, 9816..9923, 10017..10588, 10690..11013, 11281..11409, 11823..11878, 12164..12314, 12391..12525, 12780..12907, 13002..13113,		

13198..13512, 13620..13828
GI Descrip. (AP001129) EST AU031036(E60617) corresponds to a region of the predicted gene.; Similar to Human mRNA for KIAA0310 gene. (AB002308) [Oryza sativa]

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37943	Strand	+
Start	3676	End	22431
Name	OJ991206_08.0218.C6.o3.gs	Method	GENSCAN
Start	8549	End	22431
GI	none	Score	.56
Exons	8549..10588, 10690..11013, 11281..11409, 11492..11564, 11734..11888, 12189..12314, 12391..12525, 12846..12907, 13002..13113, 13318..13512, 13620..13736, 13962..14131, 14217..14626, 16782..16843, 16945..17047, 17773..17846, 17930..18027, 18305..18345, 18942..18997, 19135..19209, 19342..19434, 19567..19692, 20818..20903, 21032..21107, 21245..21312, 21395..21461, 21535..21630, 21706..21808, 22179..22274, 22361..22431		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37943	Strand	+
Start	3676	End	22431
Name	OJ991206_08.0218.C6.o4.np	Method	AAT/NAP
Start	16693	End	22428
GI	5669871	Score	1734
Exons	16693..16728, 16945..17038, 17773..17846, 17939..18027, 18305..18345, 18942..18997, 19135..19209, 19342..19434, 19567..19815, 19895..19967, 20646..20731, 20818..20903, 21032..21107, 21245..21312, 21395..21461, 21535..21630, 21706..21808, 22179..22274, 22361..22428		
GI Descrip.	(AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37943	Strand	+
Start	3676	End	22431
Name	OJ991206_08.0218.C6.o1.gp	Method	AAT/GAP
Start	18900	End	19212
GI	uC-osflcyp064a11b1	Score	213
Exons	18900..18997, 19135..19212		
GI Descrip.	'951166 2.0e-30 (U31451) invertase [Zea mays]'		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37944	Strand	+
Start	24572	End	28129
Name	OJ991206_08.0218.C6.o2.gp	Method	AAT/GAP
Start	24489	End	28129
GI	537_1.R1084	Score	2707
Exons	24489..25186, 27443..28129		
GI Descrip.	'433214/dbj\|BAA02971\| 0.0e+00 (D13817) lactate dehydrogenase [Oryza sativa]'		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37944	Strand	+
Start	24572	End	28129
Name	OJ991206_08.0218.C6.o4.gs	Method	GENSCAN
Start	24572	End	27889

GI	none	Score	.57
Exons	24572..25186, 27443..27889		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37944	Strand	+
Start	24572	End	28129
Name	OJ991206_08.0218.C6.o5.np	Method	AAT/NAP
Start	24572	End	27886
GI	987693	Score	1777
Exons	24572..25186, 27438..27886		
GI Descrip.	(D16685) lactate dehydrogenase [Oryza sativa]		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37945	Strand	+
Start	28850	End	31649
Name	OJ991206_08.0218.C6.o5.gs	Method	GENSCAN
Start	28850	End	31444
GI	none	Score	.64
Exons	28850..28902, 29006..29870, 30410..30685, 30952..31020, 31310..31444		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37945	Strand	+
Start	28850	End	31649
Name	OJ991206_08.0218.C6.o3.gp	Method	AAT/GAP
Start	30521	End	31649
GI	none	Score	949
Exons	30521..30685, 31310..31649		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37946	Strand	+
Start	36021	End	36524
Name	OJ991206_08.0218.C6.o7.gs	Method	GENSCAN
Start	36021	End	36524
GI	none	Score	.92
Exons	36021..36524		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37947	Strand	+
Start	49840	End	56147
Name	OJ991206_08.0218.C6.o7.gp	Method	AAT/GAP
Start	49840	End	50301
GI	uC-osflcyp177g01a1	Score	248
Exons	49840..49995, 50272..50301		
GI Descrip.	'4884864/gb\|AAD31846.1\|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37947	Strand	+
Start	49840	End	56147
Name	OJ991206_08.0218.C6.o10.gs	Method	GENSCAN
Start	50037	End	56147
GI	none	Score	.69
Exons	50037..52969, 53066..54890, 55074..56147		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37947	Strand	+

Start	49840	End	56147
Name	OJ991206_08.0218.C6.o9.np	Method	AAT/NAP
Start	50037	End	56111
GI	5922631	Score	6690
Exons	50037..50161, 50420..50664, 50914..51116, 51162..51733, 51776..51927, 52054..52977, 53584..56111		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37948	Strand	+
Start	61356	End	68061
Name	OJ991206_08.0218.C6.o8.gp	Method	AAT/GAP
Start	60731	End	60878
GI	uC-osflcyp177g01a1	Score	247
Exons	60731..60878		
GI Descrip.	'4884864/gb\|AAD31846.1\|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37948	Strand	+
Start	61356	End	68061
Name	OJ991206_08.0218.C6.o12.gs	Method	GENSCAN
Start	61356	End	68061
GI	none	Score	.57
Exons	61356..61398, 62771..62959, 63015..63123, 67462..67529, 67988..68061		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37949	Strand	+
Start	69511	End	71163
Name	OJ991206_08.0218.C6.o13.gs	Method	GENSCAN
Start	69511	End	71163
GI	none	Score	.47
Exons	69511..69587, 71130..71163		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37950	Strand	+
Start	72117	End	75557
Name	OJ991206_08.0218.C6.o14.gs	Method	GENSCAN
Start	72117	End	75482
GI	none	Score	.56
Exons	72117..72543, 72919..73790, 74793..75482		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37950	Strand	+
Start	72117	End	75557
Name	OJ991206_08.0218.C6.o11.np	Method	AAT/NAP
Start	72438	End	75488
GI	3136313	Score	2340
Exons	72438..72543, 72919..73790, 74793..75488		
GI Descrip.	(AF062735) soluble acid invertase [Saccharum officinarum]		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37950	Strand	+
Start	72117	End	75557
Name	OJ991206_08.0218.C6.o9.gp	Method	AAT/GAP
Start	75265	End	75557
GI	2280784	Score	578
Exons	75265..75557		
GI Descrip.	951166 2.0e-30 (U31451) invertase [Zea mays]		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37951	Strand	+
Start	78550	End	78794
Name	OJ991206_08.0218.C6.o15.gs	Method	GENSCAN
Start	78550	End	78794
GI	none	Score	.68
Exons	78550..78655, 78790..78794		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37952	Strand	-
Start	1	End	4000
Name	OJ991206_08.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	3928
GI	6466937	Score	1124
Exons	1..2269, 3882..3928		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37952	Strand	-
Start	1	End	4000
Name	OJ991206_08.0218.C6.o2.np	Method	AAT/NAP
Start	1	End	4000
GI	6466937	Score	1115
Exons	1..2269, 3882..4000		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37953	Strand	-
Start	33052	End	33812
Name	OJ991206_08.0218.C6.o6.gs	Method	GENSCAN
Start	33052	End	33812
GI	none	Score	.99
Exons	33052..33441, 33789..33812		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37954	Strand	-
Start	40500	End	42185
Name	OJ991206_08.0218.C6.o4.gp	Method	AAT/GAP
Start	40500	End	41313
GI	2561_1.R1084	Score	1379
Exons	40500..41101, 41183..41313		
GI Descrip.	'5803254/dbj\|BAA83564.1\| 3.0e-20 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37954	Strand	-
Start	40500	End	42185
Name	OJ991206_08.0218.C6.o7.np	Method	AAT/NAP
Start	40721	End	42185
GI	5803254	Score	745
Exons	40721..41101, 41183..41335, 41421..42185		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37954	Strand	-
Start	40500	End	42185
Name	OJ991206_08.0218.C6.o5.gp	Method	AAT/GAP
Start	41697	End	42031
GI	none	Score	577
Exons	41697..42031		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37955	Strand	-
Start	45663	End	48088
Name	OJ991206_08.0218.C6.o6.gp	Method	AAT/GAP
Start	45663	End	48088
GI	369_1.R1084	Score	2084
Exons	45663..46360, 46610..46707, 46800..46980, 47085..47162, 47986..48088		
GI Descrip.	'3123270/sp\|P49398\|RS4_ORYSA 1.0e-133 40S RIBOSOMAL PROTEIN S4 (SCAR PROTEIN SS620) >gi_2463335_emb_CAA75242_ (Y15009) ribosomal protein S4 [Oryza sativa]'		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37955	Strand	-
Start	45663	End	48088
Name	OJ991206_08.0218.C6.o8.np	Method	AAT/NAP
Start	45926	End	47165
GI	3914899	Score	1256
Exons	45926..46360, 46610..46707, 46800..46980, 47085..47165		
GI Descrip.	40S RIBOSOMAL PROTEIN S4 gi\|2331301 (AF013487) ribosomal protein S4 type I [Zea mays]		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37956	Strand	-
Start	48314	End	49481
Name	OJ991206_08.0218.C6.o9.gs	Method	GENSCAN
Start	48314	End	49481
GI	none	Score	.53
Exons	48314..48478, 49140..49269, 49393..49481		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37957	Strand	-
Start	56463	End	59419
Name	OJ991206_08.0218.C6.o11.gs	Method	GENSCAN
Start	56463	End	59419
GI	none	Score	.73
Exons	56463..56911, 56984..57088, 57156..57345, 57421..57608,		

57683..58448, 58535..59419

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37957	Strand	-
Start	56463	End	59419
Name	OJ991206_08.0218.C6.o10.np	Method	AAT/NAP
Start	56466	End	59419
GI	6691716	Score	2393
Exons	56466..56911, 56984..57100, 57246..57345, 57421..57608, 57683..57845, 57957..58077, 58159..58351, 58549..59419		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o14.tm	Method	TBLASTX:Maize
Start	136	End	54155
GI	none	Score	275
Exons	136..177, 166..348, 53711..53965, 53712..53966, 53987..54118, 53988..54131, 54129..54155		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o6.ts	Method	TBLASTX:Soybean
Start	163	End	53906
GI	none	Score	81
Exons	163..513, 293..442, 53622..53906		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o4.tw	Method	TBLASTX:Wheat
Start	292	End	53768
GI	none	Score	470
Exons	292..681, 53349..53768, 53349..53564, 53351..53767		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o5.tm	Method	TBLASTX:Maize
Start	436	End	53513
GI	none	Score	286
Exons	436..921, 440..916, 53235..53513		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o14.ts	Method	TBLASTX:Soybean
Start	622	End	53441
GI	none	Score	93
Exons	622..936, 53235..53441		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-

Start	80980	End	83235
Name	OJ991206_08.0218.C6.o15.tw	Method	TBLASTX:Wheat
Start	700	End	53348
GI	none	Score	282
Exons	700..825, 53115..53348, 53135..53347, 53136..53348		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o22.tm	Method	TBLASTX:Maize
Start	2086	End	2322
GI	none	Score	71
Exons	2086..2322, 2087..2314		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o20.tm	Method	TBLASTX:Maize
Start	3684	End	4471
GI	none	Score	72
Exons	3684..3731, 3685..3729, 3785..3883, 3798..3884, 3955..4044, 3956..4072, 3957..4037, 4294..4371, 4320..4373, 4331..4378, 4363..4470, 4363..4470, 4373..4471		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o7.tm	Method	TBLASTX:Maize
Start	10171	End	10796
GI	none	Score	73
Exons	10171..10227, 10210..10263, 10211..10261, 10213..10263, 10250..10588, 10258..10587, 10259..10588, 10260..10595, 10261..10590, 10687..10794, 10687..10794, 10704..10796		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o12.ts	Method	TBLASTX:Soybean
Start	10657	End	71282
GI	none	Score	78
Exons	10657..10779, 10783..10971, 10815..10955, 71151..71282		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o10.ts	Method	TBLASTX:Soybean
Start	11491	End	12233
GI	none	Score	171
Exons	11491..11610, 11492..11614, 11504..11614, 11715..11813, 11720..11815, 11731..11814, 12186..12233		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o12.tm	Method	TBLASTX:Maize
Start	12193	End	12866
GI	none	Score	215

Exons	12193..12312, 12194..12313, 12195..12335, 12388..12525, 12388..12525, 12449..12526, 12777..12866, 12777..12866		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o9.tm	Method	TBLASTX:Maize
Start	12867	End	13685
GI	none	Score	52
Exons	12867..12911, 13000..13113, 13002..13112, 13003..13113, 13195..13323, 13197..13325, 13197..13352, 13198..13353, 13356..13439, 13360..13440, 13361..13450, 13381..13512, 13398..13511, 13450..13512, 13616..13684, 13617..13685		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o13.ts	Method	TBLASTX:Soybean
Start	13833	End	14514
GI	none	Score	99
Exons	13833..13892, 13834..13938, 13834..13968, 14040..14132, 14063..14134, 14208..14255, 14215..14256, 14302..14427, 14482..14514		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o11.tm	Method	TBLASTX:Maize
Start	13988	End	14469
GI	none	Score	206
Exons	13988..14134, 13989..14132, 13989..14141, 13991..14134, 14214..14348, 14215..14355, 14239..14412, 14328..14405, 14406..14468, 14407..14469		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o23.tm	Method	TBLASTX:Maize
Start	14489	End	14768
GI	none	Score	191
Exons	14489..14743, 14501..14761, 14574..14762, 14574..14768		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o6.tm	Method	TBLASTX:Maize
Start	17771	End	22437
GI	none	Score	82
Exons	17771..17839, 17941..18054, 18934..18996, 18940..18999, 18941..19012, 18941..19012, 19133..19204, 19134..19208, 19134..19214, 19135..19209, 19320..19436, 19342..19437, 19564..19620, 19565..19609, 19569..19817, 19595..19816, 19693..19818, 19719..19817, 19877..19966, 19892..19966, 19894..19971, 19900..19968, 20651..20743, 20653..20733, 20815..20904, 20815..20904, 21030..21125, 21032..21115, 21222..21305, 21230..21328, 21239..21313, 21362..21475, 21372..21461, 21383..21463, 21513..21566, 21516..21629,		

21520..21630, 21533..21631, 21698..21808, 21700..21813,
21705..21803, 22154..22267, 22177..22275, 22179..22283,
22183..22275, 22359..22436, 22360..22437, 22360..22437

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o5.ts	Method	TBLASTX:Soybean
Start	18940	End	22437
GI	none	Score	105

Exons 18940..18996, 18941..19012, 19134..19199, 19134..19214,
19135..19209, 19341..19436, 19342..19437, 19567..19620,
19705..19818, 19719..19826, 19888..19965, 19889..19966,
20651..20734, 20815..20898, 20817..20903, 21033..21125,
21239..21313, 21244..21315, 21366..21461, 21393..21461,
21395..21475, 21519..21629, 21520..21630, 21533..21640,
21700..21813, 21705..21803, 22156..22275, 22157..22267,
22359..22430, 22360..22437

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o5.tc	Method	TBLASTX:Cress
Start	19767	End	21813
GI	none	Score	72

Exons 19767..19826, 19768..19818, 19915..19965, 19916..19966,
20639..20734, 20815..20901, 20817..20900, 21033..21125,
21044..21124, 21239..21313, 21244..21312, 21393..21461,
21402..21449, 21404..21475, 21519..21629, 21520..21630,
21533..21634, 21700..21813, 21703..21783, 21705..21803

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o3.tw	Method	TBLASTX:Wheat
Start	21029	End	21782
GI	none	Score	109

Exons 21029..21115, 21030..21125, 21031..21117, 21033..21137,
21239..21313, 21244..21315, 21372..21461, 21372..21461,
21383..21463, 21395..21475, 21510..21563, 21516..21629,
21520..21630, 21533..21631, 21700..21780, 21704..21781,
21705..21782, 21705..21782

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o2.tm	Method	TBLASTX:Maize
Start	24560	End	25189
GI	none	Score	135

Exons 24560..24637, 24572..24685, 24662..25189, 24676..25188

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o2.tc	Method	TBLASTX:Cress
Start	24659	End	27865
GI	none	Score	691

Exons	24659..25186, 24682..25182, 27439..27729, 27440..27733, 27746..27865		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	24659	End	27865
GI	none	Score	664
Exons	24659..25186, 24682..24981, 25030..25182, 27439..27522, 27440..27733, 27583..27732, 27740..27865		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o8.tm	Method	TBLASTX:Maize
Start	27437	End	27760
GI	none	Score	480
Exons	27437..27619, 27439..27747, 27440..27760		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o18.tm	Method	TBLASTX:Maize
Start	29247	End	29641
GI	none	Score	40
Exons	29247..29273, 29397..29639, 29429..29641, 29453..29641		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o13.tm	Method	TBLASTX:Maize
Start	29642	End	31432
GI	none	Score	90
Exons	29642..29707, 29643..29708, 29733..29870, 29804..29866, 30407..30685, 30407..30685, 30408..30686, 30615..30695, 30622..30696, 31289..31432, 31294..31431		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o8.tc	Method	TBLASTX:Cress
Start	30417	End	30685
GI	none	Score	65
Exons	30417..30674, 30431..30685, 30431..30685		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o9.ts	Method	TBLASTX:Soybean
Start	30431	End	31414
GI	none	Score	285
Exons	30431..30685, 30434..30685, 31289..31414		
Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235

Name	OJ991206_08.0218.C6.o19.tm	Method	TBLASTX:Maize
Start	33541	End	41801
GI	none	Score	76
Exons	33541..33609, 33541..33621, 33543..33635, 33557..33619, 33624..33695, 33640..33699, 33651..33695, 40977..41051, 41069..41092, 41178..41246, 41178..41258, 41180..41263, 41194..41271, 41195..41269, 41261..41332, 41279..41332, 41283..41360, 41419..41487, 41430..41531, 41445..41531, 41565..41693, 41568..41801, 41638..41796		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o17.tw	Method	TBLASTX:Wheat
Start	45859	End	46072
GI	none	Score	40
Exons	45859..45897, 45864..45899, 45866..45919, 45924..45965, 45931..46068, 45931..46065, 45953..46072, 46005..46070		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o3.tc	Method	TBLASTX:Cress
Start	45956	End	46376
GI	none	Score	412
Exons	45956..46138, 46005..46376, 46015..46167, 46095..46262, 46193..46366		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o3.ts	Method	TBLASTX:Soybean
Start	45956	End	47163
GI	none	Score	322
Exons	45956..46138, 45970..46362, 46005..46376, 46017..46262, 46193..46366, 46604..46708, 46605..46715, 46789..46980, 46797..46904, 46802..46981, 47085..47159, 47085..47162, 47089..47163		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o7.tw	Method	TBLASTX:Wheat
Start	46073	End	46376
GI	none	Score	414
Exons	46073..46138, 46074..46376, 46074..46262, 46193..46366, 46314..46367		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o15.tm	Method	TBLASTX:Maize
Start	46086	End	46386
GI	none	Score	363
Exons	46086..46361, 46091..46138, 46092..46262, 46093..46386, 46193..46360, 46320..46361		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o16.tm	Method	TBLASTX:Maize
Start	46604	End	47162
GI	none	Score	71
Exons	46604..46708, 46605..46709, 46783..46980, 46789..46980, 46790..46981, 47085..47147, 47092..47124, 47133..47162		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o4.tc	Method	TBLASTX:Cress
Start	46604	End	47169
GI	none	Score	113
Exons	46604..46708, 46617..46718, 46618..46707, 46789..46980, 46797..46979, 46801..46980, 46802..46981, 47085..47162, 47086..47169, 47093..47167		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o2.tw	Method	TBLASTX:Wheat
Start	46616	End	47181
GI	none	Score	119
Exons	46616..46708, 46618..46704, 46789..46980, 46800..46979, 46802..46981, 47072..47158, 47085..47159, 47085..47162, 47086..47181		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o13.tw	Method	TBLASTX:Wheat
Start	51338	End	51740
GI	none	Score	293
Exons	51338..51607, 51339..51740		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	52317	End	53114
GI	none	Score	149
Exons	52317..52493, 52538..52774, 52542..52772, 52821..53114, 52949..53110		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o5.tw	Method	TBLASTX:Wheat
Start	53813	End	54242
GI	none	Score	421
Exons	53813..54241, 53814..54242		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235

Name	OJ991206_08.0218.C6.o11.ts	Method	TBLASTX:Soybean
Start	54270	End	54658
GI	none	Score	86
Exons	54270..54374, 54278..54658, 54414..54656		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o8.tw	Method	TBLASTX:Wheat
Start	54279	End	54701
GI	none	Score	412
Exons	54279..54701, 54282..54458, 54284..54691		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o24.tm	Method	TBLASTX:Maize
Start	54531	End	54785
GI	none	Score	193
Exons	54531..54785		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o10.tm	Method	TBLASTX:Maize
Start	55013	End	55376
GI	none	Score	446
Exons	55013..55324, 55014..55337, 55034..55342, 55328..55375, 55329..55376		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o6.tw	Method	TBLASTX:Wheat
Start	55019	End	55406
GI	none	Score	420
Exons	55019..55330, 55020..55406, 55215..55406		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o9.tw	Method	TBLASTX:Wheat
Start	55521	End	56135
GI	none	Score	273
Exons	55521..55799, 55541..55630, 55682..55783, 55854..56012, 55998..56135		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o21.tm	Method	TBLASTX:Maize
Start	55863	End	56096
GI	none	Score	148
Exons	55863..56015, 55955..56014, 55994..56095, 55995..56096		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-

Start	80980	End	83235
Name	OJ991206_08.0218.C6.o18.tw	Method	TBLASTX:Wheat
Start	59009	End	59299
GI	none	Score	212
Exons	59009..59299		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	72374	End	75425
GI	none	Score	170
Exons	72374..72430, 72386..72544, 72387..72545, 72459..72545, 72900..73301, 72917..72985, 72992..73297, 73292..73348, 73311..73346, 73349..73474, 73362..73478, 73493..73783, 73530..73790, 74787..75101, 74795..74869, 74945..74974, 75036..75425, 75074..75424		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	72452	End	75425
GI	none	Score	163
Exons	72452..72544, 72453..72545, 72456..72545, 72917..72985, 72918..72989, 72942..73313, 72992..73300, 73311..73346, 73353..73478, 73361..73474, 73493..73648, 73530..73649, 73641..73790, 74787..74894, 74795..74860, 74901..74981, 74921..74974, 74997..75101, 75074..75202, 75120..75227, 75228..75425, 75287..75424		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o16.tw	Method	TBLASTX:Wheat
Start	72492	End	73145
GI	none	Score	81
Exons	72492..72545, 72503..72544, 72917..72988, 72918..72989, 72993..73145, 72998..73144		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	72917	End	73598
GI	none	Score	716
Exons	72917..73351, 72918..73352, 73329..73478, 73346..73477, 73478..73597, 73530..73598		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o14.tw	Method	TBLASTX:Wheat
Start	73149	End	73430
GI	none	Score	239
Exons	73149..73352, 73166..73351, 73329..73430		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o11.tw	Method	TBLASTX:Wheat
Start	73443	End	73790
GI	none	Score	52
Exons	73443..73514, 73451..73474, 73526..73621, 73530..73790, 73586..73783		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o3.tm	Method	TBLASTX:Maize
Start	73619	End	75479
GI	none	Score	290
Exons	73619..73783, 73620..73790, 74787..75110, 74789..75115, 75088..75150, 75119..75211, 75120..75266, 75201..75479, 75266..75478		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o20.tw	Method	TBLASTX:Wheat
Start	74787	End	74912
GI	none	Score	193
Exons	74787..74912, 74792..74911		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o10.tw	Method	TBLASTX:Wheat
Start	74916	End	75284
GI	none	Score	241
Exons	74916..75113, 74918..75097, 75081..75170, 75083..75166, 75150..75284, 75252..75284		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o19.tw	Method	TBLASTX:Wheat
Start	75344	End	75481
GI	none	Score	197
Exons	75344..75475, 75345..75476, 75428..75481		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o8.ts	Method	TBLASTX:Soybean
Start	78368	End	81291
GI	none	Score	113
Exons	78368..78466, 80965..81291, 80981..81187		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o17.tm	Method	TBLASTX:Maize
Start	78386	End	81267

GI	none	Score	87
Exons	78386..78466, 80977..81267, 80978..81190		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o6.tc	Method	TBLASTX:Cress
Start	78386	End	81513
GI	none	Score	97
Exons	78386..78466, 80977..81513, 80983..81192, 81050..81511		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o16.gs	Method	GENSCAN
Start	80980	End	83235
GI	none	Score	.66
Exons	80980..83235		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o12.np	Method	AAT/NAP
Start	80983	End	83217
GI	6358764	Score	2227
Exons	80983..83217		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o4.tm	Method	TBLASTX:Maize
Start	81268	End	83088
GI	none	Score	234
Exons	81268..82113, 81383..82075, 81739..81906, 81787..82119, 81811..82209, 82036..82398, 82081..82422, 82114..82518, 82115..82432, 82126..82431, 82171..82302, 82384..82590, 82519..82746, 82522..82875, 82573..82989, 82975..83088		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o4.ts	Method	TBLASTX:Soybean
Start	81292	End	81816
GI	none	Score	170
Exons	81292..81816, 81298..81807, 81299..81814		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o7.tc	Method	TBLASTX:Cress
Start	81595	End	83091
GI	none	Score	74
Exons	81595..81696, 81697..81810, 81739..81948, 81823..82242, 81823..82104, 82033..82113, 82043..82243, 82096..82245, 82111..82407, 82123..82935, 82126..82281, 82402..82545, 82420..82584, 82828..83091, 82888..83091		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o12.tw	Method	TBLASTX:Wheat
Start	81679	End	82827
GI	none	Score	133
Exons	81679..82149, 81686..82003, 81739..81852, 82042..82452, 82043..82399, 82339..82605, 82381..82554, 82522..82827		

Seq. No.	18117	Seq. ID	OJ991206_08.0218.C6
Gene No.	37958	Strand	-
Start	80980	End	83235
Name	OJ991206_08.0218.C6.o7.ts	Method	TBLASTX:Soybean
Start	81832	End	82734
GI	none	Score	223
Exons	81832..82038, 82087..82341, 82088..82333, 82096..82341, 82390..82590, 82531..82734		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37959	Strand	+
Start	1	End	5897
Name	OJ991206_08.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	5897
GI	5441880	Score	3113
Exons	1..996, 1441..1472, 1731..2046, 2550..2700, 2806..3142, 5865..5897		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37959	Strand	+
Start	1	End	5897
Name	OJ991206_08.0218.C7.o1.gs	Method	GENSCAN
Start	33	End	5783
GI	none	Score	.49
Exons	33..1669, 1871..2166, 2550..2700, 2806..3142, 3227..3449, 3681..3751, 4365..4410, 5086..5783		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37959	Strand	+
Start	1	End	5897
Name	OJ991206_08.0218.C7.o1.gp	Method	AAT/GAP
Start	595	End	1026
GI	5701669	Score	845
Exons	595..1026		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37960	Strand	+
Start	9149	End	13181
Name	OJ991206_08.0218.C7.o4.np	Method	AAT/NAP
Start	9149	End	13181
GI	4680183	Score	55

Exons	9149..9173, 13039..13181		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37961	Strand	-
Start	3538	End	3748
Name	OJ991206_08.0218.C7.o2.gp	Method	AAT/GAP
Start	3538	End	3748
GI	1631463	Score	344
Exons	3538..3748		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		
Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37962	Strand	-
Start	6633	End	11195
Name	OJ991206_08.0218.C7.o2.np	Method	AAT/NAP
Start	6633	End	11195
GI	4680179	Score	7878
Exons	6633..11195		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37963	Strand	-
Start	11450	End	12268
Name	OJ991206_08.0218.C7.o3.np	Method	AAT/NAP
Start	11450	End	12268
GI	5042448	Score	1130
Exons	11450..12268		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o5.tm	Method	TBLASTX:Maize
Start	552	End	1148
GI	none	Score	93
Exons	552..680, 560..658, 714..1013, 731..952, 1077..1148		
Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o6.tw	Method	TBLASTX:Wheat
Start	846	End	1226
GI	none	Score	198
Exons	846..1040, 855..1052, 1046..1165, 1050..1226, 1050..1196		
Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o8.tm	Method	TBLASTX:Maize
Start	6657	End	6869
GI	none	Score	193
Exons	6657..6869		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o7.tw	Method	TBLASTX:Wheat
Start	6678	End	7011
GI	none	Score	64
Exons	6678..7010, 6699..6860, 6802..6918, 6903..7004, 6958..7011		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	6870	End	7457
GI	none	Score	251
Exons	6870..7298, 6871..7296, 7296..7457, 7303..7449		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o1.tw	Method	TBLASTX:Wheat
Start	7011	End	7637
GI	none	Score	342
Exons	7011..7637, 7012..7635		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o4.tm	Method	TBLASTX:Maize
Start	7506	End	7797
GI	none	Score	254
Exons	7506..7796, 7510..7797		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o2.ts	Method	TBLASTX:Soybean
Start	7596	End	7856
GI	none	Score	150
Exons	7596..7856, 7597..7851		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o1.tc	Method	TBLASTX:Cress
Start	7620	End	7937
GI	none	Score	90
Exons	7620..7763, 7621..7761, 7764..7937		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o3.tw	Method	TBLASTX:Wheat
Start	7644	End	8123
GI	none	Score	298
Exons	7644..8123, 7645..8052, 7677..8090		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7

Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o2.tw	Method	TBLASTX:Wheat
Start	8127	End	8636
GI	none	Score	253
Exons	8127..8636, 8211..8558, 8293..8604		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	8199	End	8564
GI	none	Score	146
Exons	8199..8510, 8211..8564, 8296..8562		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o3.ts	Method	TBLASTX:Soybean
Start	8385	End	8630
GI	none	Score	204
Exons	8385..8630		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o3.tm	Method	TBLASTX:Maize
Start	8601	End	9101
GI	none	Score	84
Exons	8601..8936, 8610..8849, 8719..8850, 8922..9101		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o5.tw	Method	TBLASTX:Wheat
Start	8637	End	8939
GI	none	Score	247
Exons	8637..8939, 8638..8919, 8837..8938		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	8652	End	9047
GI	none	Score	111
Exons	8652..8843, 8652..9011, 8653..8916, 8931..9011, 9003..9047, 9015..9047		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o4.tw	Method	TBLASTX:Wheat
Start	8988	End	9470
GI	none	Score	176
Exons	8988..9470, 8997..9341, 9031..9366		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7

Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o4.ts	Method	TBLASTX:Soybean
Start	9120	End	9434
GI	none	Score	183
Exons	9120..9434		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o6.tm	Method	TBLASTX:Maize
Start	9169	End	9458
GI	none	Score	165
Exons	9169..9360, 9171..9458		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o9.tw	Method	TBLASTX:Wheat
Start	9627	End	10049
GI	none	Score	109
Exons	9627..9815, 9634..9789, 9855..10049, 9901..9999		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o7.tm	Method	TBLASTX:Maize
Start	10392	End	10688
GI	none	Score	88
Exons	10392..10688, 10404..10688, 10501..10671		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o8.tw	Method	TBLASTX:Wheat
Start	10569	End	10928
GI	none	Score	96
Exons	10569..10928, 10570..10803, 10828..10902		

Seq. No.	18118	Seq. ID	OJ991206_08.0218.C7
Gene No.	37964	Strand	-
Start	12896	End	13106
Name	OJ991206_08.0218.C7.o3.gp	Method	AAT/GAP
Start	12896	End	13106
GI	1631463	Score	344
Exons	12896..13106		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	18119	Seq. ID	OJ991206_08.0218.C9
Gene No.	37965	Strand	+
Start	853	End	921
Name	OJ991206_08.0218.C9.o1.gp	Method	AAT/GAP
Start	853	End	921
GI	7406_1.R1084	Score	106
Exons	853..921		

GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	18119	Seq. ID	OJ991206_08.0218.C9
Gene No.	37966	Strand	-
Start	32	End	404
Name	OJ991206_08.0218.C9.o1.gs	Method	GENSCAN
Start	32	End	404
GI	none	Score	.72
Exons	32..404		
Seq. No.	18120	Seq. ID	OJ991206_08.0218.C10
Gene No.	37967	Strand	+
Start	1	End	70
Name	OJ991206_08.0218.C10.o1.gp	Method	AAT/GAP
Start	1	End	70
GI	LIB3431-016-P1-K1-D9	Score	140
Exons	1..70		
GI Descrip.	'2245136/emb\|CAB10557.1\| 6.0e-26 (Z97344) trehalose-6-phosphate synthase like protein [Arabidopsis thaliana]'		
Seq. No.	18120	Seq. ID	OJ991206_08.0218.C10
Gene No.	37968	Strand	+
Start	78	End	342
Name	OJ991206_08.0218.C10.o1.gs	Method	GENSCAN
Start	78	End	342
GI	none	Score	.44
Exons	78..161, 248..342		
Seq. No.	18121	Seq. ID	OJ991206_08.0218.C11
Gene No.	37969	Strand	-
Start	1	End	809
Name	OJ991206_08.0218.C11.o1.np	Method	AAT/NAP
Start	1	End	809
GI	4680179	Score	807
Exons	1..809		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	18121	Seq. ID	OJ991206_08.0218.C11
Gene No.	37969	Strand	-
Start	1	End	809
Name	OJ991206_08.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	15	End	477
GI	none	Score	251
Exons	15..443, 16..441, 441..476, 448..477		
Seq. No.	18121	Seq. ID	OJ991206_08.0218.C11
Gene No.	37969	Strand	-
Start	1	End	809
Name	OJ991206_08.0218.C11.o1.gs	Method	GENSCAN
Start	24	End	428
GI	none	Score	.95
Exons	24..428		
Seq. No.	18121	Seq. ID	OJ991206_08.0218.C11
Gene No.	37969	Strand	-
Start	1	End	809

Name	OJ991206_08.0218.C11.o2.tw	Method	TBLASTX:Wheat
Start	29	End	156
GI	none	Score	55
Exons	29..151, 30..152, 30..155, 31..156		

Seq. No.	18121	Seq. ID	OJ991206_08.0218.C11
Gene No.	37969	Strand	-
Start	1	End	809
Name	OJ991206_08.0218.C11.o1.tw	Method	TBLASTX:Wheat
Start	156	End	477
GI	none	Score	195
Exons	156..476, 157..477		

Seq. No.	18122	Seq. ID	OJ991206_08.0218.C12
Gene No.	37970	Strand	+
Start	122	End	247
Name	OJ991206_08.0218.C12.o1.gs	Method	GENSCAN
Start	122	End	247
GI	none	Score	.83
Exons	122..247		

Seq. No.	18122	Seq. ID	OJ991206_08.0218.C12
Gene No.	37971	Strand	+
Start	407	End	868
Name	OJ991206_08.0218.C12.o1.gp	Method	AAT/GAP
Start	407	End	868
GI	2428323	Score	854
Exons	407..868		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	18122	Seq. ID	OJ991206_08.0218.C12
Gene No.	37972	Strand	-
Start	876	End	1905
Name	OJ991206_08.0218.C12.o2.gs	Method	GENSCAN
Start	876	End	1811
GI	none	Score	1
Exons	876..1811		

Seq. No.	18122	Seq. ID	OJ991206_08.0218.C12
Gene No.	37972	Strand	-
Start	876	End	1905
Name	OJ991206_08.0218.C12.o1.np	Method	AAT/NAP
Start	879	End	1905
GI	5803259	Score	1630
Exons	879..1905		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	18123	Seq. ID	OJ991206_08.0218.C13
Gene No.	37973	Strand	-
Start	1	End	2049
Name	OJ991206_08.0218.C13.o1.np	Method	AAT/NAP
Start	1	End	2049
GI	5803259	Score	3237
Exons	1..692, 788..2049		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	18123	Seq. ID	OJ991206_08.0218.C13
Gene No.	37973	Strand	-
Start	1	End	2049
Name	OJ991206_08.0218.C13.o1.gs	Method	GENSCAN
Start	8	End	2049
GI	none	Score	.48
Exons	8..692, 788..1516, 1586..2049		

Seq. No.	18123	Seq. ID	OJ991206_08.0218.C13
Gene No.	37974	Strand	-
Start	2430	End	2545
Name	OJ991206_08.0218.C13.o2.gs	Method	GENSCAN
Start	2430	End	2545
GI	none	Score	.71
Exons	2430..2545		

Seq. No.	18124	Seq. ID	OJ991206_08.0218.C14
Gene No.	37975	Strand	+
Start	7982	End	8125
Name	OJ991206_08.0218.C14.o1.gp	Method	AAT/GAP
Start	7982	End	8125
GI	21474_1.R1084	Score	242
Exons	7982..8125		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	18124	Seq. ID	OJ991206_08.0218.C14
Gene No.	37976	Strand	-
Start	1	End	874
Name	OJ991206_08.0218.C14.o1.np	Method	AAT/NAP
Start	1	End	874
GI	5922623	Score	236
Exons	1..87, 255..407, 790..874		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	18124	Seq. ID	OJ991206_08.0218.C14
Gene No.	37977	Strand	-
Start	6073	End	6845
Name	OJ991206_08.0218.C14.o2.gs	Method	GENSCAN
Start	6073	End	6845
GI	none	Score	.74
Exons	6073..6079, 6610..6845		

Seq. No.	18124	Seq. ID	OJ991206_08.0218.C14
Gene No.	37978	Strand	-
Start	8400	End	13052
Name	OJ991206_08.0218.C14.o3.np	Method	AAT/NAP
Start	7274	End	11539
GI	4680204	Score	760
Exons	7274..7299, 10090..11539		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	18124	Seq. ID	OJ991206_08.0218.C14
Gene No.	37978	Strand	-
Start	8400	End	13052

Name	OJ991206_08.0218.C14.o2.np	Method	AAT/NAP
Start	7970	End	11539
GI	4680204	Score	764
Exons	7970..8077, 10097..11539		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	18124	Seq. ID	OJ991206_08.0218.C14
Gene No.	37978	Strand	-
Start	8400	End	13052
Name	OJ991206_08.0218.C14.o3.gs	Method	GENSCAN
Start	8400	End	13052
GI	none	Score	.56
Exons	8400..8585, 8665..8763, 8858..8930, 9015..9160, 9222..9395, 9531..10028, 10103..11543, 12472..13052		

Seq. No.	18124	Seq. ID	OJ991206_08.0218.C14
Gene No.	37978	Strand	-
Start	8400	End	13052
Name	OJ991206_08.0218.C14.o4.np	Method	AAT/NAP
Start	9309	End	11539
GI	4680204	Score	751
Exons	9309..9330, 10093..11539		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	18124	Seq. ID	OJ991206_08.0218.C14
Gene No.	37978	Strand	-
Start	8400	End	13052
Name	OJ991206_08.0218.C14.o1.tw	Method	TBLASTX:Wheat
Start	10493	End	10896
GI	none	Score	84
Exons	10493..10663, 10626..10793, 10658..10894, 10745..10894, 10756..10896, 10786..10896		

Seq. No.	18124	Seq. ID	OJ991206_08.0218.C14
Gene No.	37978	Strand	-
Start	8400	End	13052
Name	OJ991206_08.0218.C14.o2.gp	Method	AAT/GAP
Start	12330	End	12434
GI	LIB3477-003-P1-K1-E9	Score	150
Exons	12330..12434		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37979	Strand	+
Start	875	End	1318
Name	OJ991206_08.0218.C15.o3.gp	Method	AAT/GAP
Start	875	End	1318
GI	LIB3431-028-P1-N1-A10	Score	797
Exons	875..945, 973..1318		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226

Name	OJ991206_08.0218.C15.o1.gp	Method	AAT/GAP
Start	15	End	3226
GI	342_1.R1084	Score	5301
Exons	15..521, 631..735, 854..3226		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o6.gp	Method	AAT/GAP
Start	173	End	3226
GI	342_1.R1084	Score	5043
Exons	173..521, 631..735, 854..3226		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o5.gp	Method	AAT/GAP
Start	175	End	3226
GI	342_1.R1084	Score	5039
Exons	175..521, 631..735, 854..3226		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o4.gp	Method	AAT/GAP
Start	177	End	3226
GI	342_1.R1084	Score	5035
Exons	177..521, 631..735, 854..3226		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o1.gs	Method	GENSCAN
Start	938	End	3137
GI	none	Score	.43
Exons	938..1010, 1067..1980, 2103..3137		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o1.tw	Method	TBLASTX:Wheat
Start	1013	End	2328
GI	none	Score	50
Exons	1013..1075, 1093..1173, 1121..1174, 1178..1258, 1186..1326, 1187..1327, 1274..1369, 1306..1365, 1372..1416, 1377..1412, 1411..1986, 1427..1987, 1840..1989, 1884..1988, 1984..2328, 1986..2327		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15

Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o1.np	Method	AAT/NAP
Start	1496	End	3226
GI	6742729	Score	2752
Exons	1496..3226		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o1.tc	Method	TBLASTX:Cress
Start	1594	End	2040
GI	none	Score	266
Exons	1594..1986, 1598..1987, 1884..2015, 1984..2040, 1986..2036		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o2.tm	Method	TBLASTX:Maize
Start	1989	End	2285
GI	none	Score	69
Exons	1989..2285, 1992..2201, 1999..2274		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o3.tw	Method	TBLASTX:Wheat
Start	2329	End	2739
GI	none	Score	81
Exons	2329..2415, 2331..2420, 2331..2414, 2447..2659, 2448..2666, 2488..2670, 2676..2738, 2689..2739		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o1.ts	Method	TBLASTX:Soybean
Start	2772	End	3014
GI	none	Score	210
Exons	2772..3014		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o1.tm	Method	TBLASTX:Maize
Start	2844	End	3225
GI	none	Score	70
Exons	2844..3038, 3048..3224, 3048..3224, 3049..3225		

Seq. No.	18125	Seq. ID	OJ991206_08.0218.C15
Gene No.	37980	Strand	-
Start	15	End	3226
Name	OJ991206_08.0218.C15.o2.tw	Method	TBLASTX:Wheat
Start	2878	End	3222
GI	none	Score	172
Exons	2878..3084, 2878..3087, 2883..3107, 3087..3185, 3088..3180, 3189..3221, 3193..3222		

Seq. No.	18126	Seq. ID	OJ991216_06.0211.C1
Gene No.	37981	Strand	+
Start	644	End	3516
Name	OJ991216_06.0211.C1.o1.gs	Method	GENSCAN
Start	644	End	3516
GI	none	Score	.84
Exons	644..855, 1223..1573, 2373..2514, 2583..2684, 2976..3072, 3332..3516		

Seq. No.	18126	Seq. ID	OJ991216_06.0211.C1
Gene No.	37982	Strand	-
Start	4531	End	4671
Name	OJ991216_06.0211.C1.o1.tm	Method	TBLASTX:Maize
Start	193	End	886
GI	none	Score	52
Exons	193..246, 355..453, 644..709, 724..885, 737..886		

Seq. No.	18126	Seq. ID	OJ991216_06.0211.C1
Gene No.	37982	Strand	-
Start	4531	End	4671
Name	OJ991216_06.0211.C1.o2.gs	Method	GENSCAN
Start	4531	End	4671
GI	none	Score	.68
Exons	4531..4671		

Seq. No.	18127	Seq. ID	OJ991216_06.0211.C3
Gene No.	37983	Strand	+
Start	1981	End	4217
Name	OJ991216_06.0211.C3.o1.np	Method	AAT/NAP
Start	1981	End	4217
GI	6523547	Score	118
Exons	1981..2030, 2473..2822, 2941..2998, 3099..3195, 3896..4217		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37984	Strand	+
Start	1	End	4466
Name	OJ991216_06.0211.C4.o1.np	Method	AAT/NAP
Start	1	End	374
GI	4585884	Score	124
Exons	1..374		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37984	Strand	+
Start	1	End	4466
Name	OJ991216_06.0211.C4.o1.gs	Method	GENSCAN
Start	18	End	4466
GI	none	Score	.61
Exons	18..330, 1553..1665, 4080..4466		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37985	Strand	+
Start	4720	End	5051
Name	OJ991216_06.0211.C4.o1.gp	Method	AAT/GAP

Start	4720	End	5051
GI	none	Score	597
Exons	4720..5051		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37986	Strand	+
Start	13510	End	13926
Name	OJ991216_06.0211.C4.o3.gs	Method	GENSCAN
Start	13510	End	13917
GI	none	Score	1
Exons	13510..13917		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37986	Strand	+
Start	13510	End	13926
Name	OJ991216_06.0211.C4.o3.np	Method	AAT/NAP
Start	13510	End	13926
GI	3128177	Score	295
Exons	13510..13926		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37987	Strand	-
Start	4730	End	6536
Name	OJ991216_06.0211.C4.o2.np	Method	AAT/NAP
Start	4730	End	5603
GI	606942	Score	509
Exons	4730..4758, 4842..5603		
GI Descrip.	(U13760) unknown [Gossypium hirsutum]		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37987	Strand	-
Start	4730	End	6536
Name	OJ991216_06.0211.C4.o2.gp	Method	AAT/GAP
Start	5208	End	6536
GI	uC-osrocyp005e09b1	Score	894
Exons	5208..5635, 6502..6536		
GI Descrip.	'4544419/gb\|AAD22328.1\|AC006955_14 2.0e-23 (AC006955) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o4.tm	Method	TBLASTX:Maize
Start	3	End	217
GI	none	Score	304
Exons	3..206, 4..207, 5..217		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	4933	End	5475
GI	none	Score	202
Exons	4933..5205, 5019..5204, 5211..5363, 5221..5358, 5350..5439, 5355..5474, 5356..5475		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o2.tc	Method	TBLASTX:Cress
Start	5019	End	5475
GI	none	Score	124
Exons	5019..5201, 5020..5196, 5211..5474, 5218..5475		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o2.ts	Method	TBLASTX:Soybean
Start	5019	End	5472
GI	none	Score	129
Exons	5019..5198, 5020..5199, 5196..5471, 5215..5472		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o3.tw	Method	TBLASTX:Wheat
Start	13501	End	13677
GI	none	Score	212
Exons	13501..13665, 13504..13677		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o5.tm	Method	TBLASTX:Maize
Start	13502	End	13785
GI	none	Score	91
Exons	13502..13606, 13510..13686, 13510..13674, 13723..13785		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o3.tc	Method	TBLASTX:Cress
Start	13507	End	13866
GI	none	Score	175
Exons	13507..13686, 13723..13866		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o3.ts	Method	TBLASTX:Soybean
Start	13510	End	13899
GI	none	Score	179
Exons	13510..13686, 13723..13899, 13767..13874		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o3.gp	Method	AAT/GAP
Start	14337	End	15735
GI	413_3.R1084	Score	2127
Exons	14337..14791, 14884..15094, 15188..15554, 15650..15735		
GI Descrip.	'2754849 1.0e-133 (AF039000) putative serine-glyoxylate aminotransferase [Fritillaria agrestis]'		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	14642	End	16340
GI	none	Score	149
Exons	14642..14782, 14649..14792, 14881..15096, 14885..14920, 14969..15097, 15164..15544, 15175..15555, 15651..15935, 15652..15744, 15802..15936, 16175..16339, 16182..16340		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	14651	End	16349
GI	none	Score	99
Exons	14651..14782, 14658..14792, 14881..15096, 14884..14991, 14975..15097, 15173..15547, 15175..15555, 15320..15562, 15651..15935, 15652..15729, 15802..15936, 16173..16340, 16175..16348, 16182..16349		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o4.gs	Method	GENSCAN
Start	14654	End	19933
GI	none	Score	.53
Exons	14654..14791, 14884..15094, 15188..15554, 15650..15934, 16138..16349, 18204..18309, 18917..19081, 19843..19933		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o4.np	Method	AAT/NAP
Start	14657	End	16342
GI	2754849	Score	1711
Exons	14657..14791, 14884..15094, 15188..15554, 15650..15934, 16138..16342		
GI Descrip.	(AF039000) putative serine-glyoxylate aminotransferase [Fritillaria agrestis]		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	14712	End	15812
GI	none	Score	98
Exons	14712..14792, 14714..14782, 14729..14872, 14881..15096, 14882..14920, 14884..15096, 14969..15097, 15173..15559, 15175..15555, 15651..15740, 15661..15744, 15741..15812		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	14712	End	15304

GI	none	Score	101
Exons	14712..14792, 14714..14833, 14714..14782, 14881..14925, 14882..14920, 14884..14928, 14932..15096, 14969..15097, 15083..15304, 15187..15303		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o2.tw	Method	TBLASTX:Wheat
Start	15729	End	16346
GI	none	Score	195
Exons	15729..15935, 15802..15936, 16175..16339, 16182..16346		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o4.gp	Method	AAT/GAP
Start	15784	End	16396
GI	LIB3431-060-P1-K1-E4	Score	689
Exons	15784..15934, 16138..16396		
GI Descrip.	'3288821 2.0e-49 (AF063901) alanine:glyoxylate aminotransferase; transaminase [Arabidopsis thaliana] >gi_4733989_gb_AAD28669.1_AC007209_5 (AC007209) alanine-glyoxylate aminotransferase [Arabidopsis thaliana]'		

Seq. No.	18128	Seq. ID	OJ991216_06.0211.C4
Gene No.	37988	Strand	-
Start	14654	End	19933
Name	OJ991216_06.0211.C4.o3.tm	Method	TBLASTX:Maize
Start	15813	End	17058
GI	none	Score	215
Exons	15813..15935, 15814..15936, 15817..15936, 16173..16346, 16175..16351, 16182..16352, 17008..17052, 17010..17057, 17012..17056, 17013..17057, 17014..17058		

Seq. No.	18129	Seq. ID	OJ991216_06.0211.C5
Gene No.	37989	Strand	+
Start	2643	End	6182
Name	OJ991216_06.0211.C5.o2.gp	Method	AAT/GAP
Start	2643	End	3092
GI	none	Score	850
Exons	2643..3092		

Seq. No.	18129	Seq. ID	OJ991216_06.0211.C5
Gene No.	37989	Strand	+
Start	2643	End	6182
Name	OJ991216_06.0211.C5.o1.gs	Method	GENSCAN
Start	2733	End	6182
GI	none	Score	.85
Exons	2733..3340, 4234..4345, 4436..4607, 4690..4886, 6108..6182		

Seq. No.	18129	Seq. ID	OJ991216_06.0211.C5
Gene No.	37989	Strand	+
Start	2643	End	6182
Name	OJ991216_06.0211.C5.o1.np	Method	AAT/NAP
Start	2733	End	4955
GI	2832686	Score	512

Exons	2733..3299, 4220..4345, 4436..4607, 4690..4955		
GI Descrip.	(AL021712) putative protein [Arabidopsis thaliana]		
Seq. No.	18129	Seq. ID	OJ991216_06.0211.C5
Gene No.	37990	Strand	-
Start	842	End	910
Name	OJ991216_06.0211.C5.o1.gp	Method	AAT/GAP
Start	842	End	910
GI	LIB3477-003-P1-K1-E9	Score	89
Exons	842..910		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	18129	Seq. ID	OJ991216_06.0211.C5
Gene No.	37991	Strand	-
Start	6563	End	7019
Name	OJ991216_06.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	4211	End	6259
GI	none	Score	185
Exons	4211..4348, 4231..4344, 4272..4352, 4421..4606, 4421..4615, 4433..4588, 4643..4867, 4692..4886, 4694..4888, 4710..4898, 4815..4886, 6095..6253, 6102..6215, 6102..6251, 6106..6258, 6107..6259		
Seq. No.	18129	Seq. ID	OJ991216_06.0211.C5
Gene No.	37991	Strand	-
Start	6563	End	7019
Name	OJ991216_06.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	4226	End	6215
GI	none	Score	158
Exons	4226..4348, 4240..4344, 4421..4600, 4433..4597, 4435..4608, 4443..4604, 4723..4824, 4815..4886, 6102..6215		
Seq. No.	18129	Seq. ID	OJ991216_06.0211.C5
Gene No.	37991	Strand	-
Start	6563	End	7019
Name	OJ991216_06.0211.C5.o1.tc	Method	TBLASTX:Cress
Start	4298	End	6215
GI	none	Score	49
Exons	4298..4348, 4433..4600, 4433..4486, 4433..4600, 4731..4886, 4778..4867, 4785..4886, 4815..4886, 6102..6215		
Seq. No.	18129	Seq. ID	OJ991216_06.0211.C5
Gene No.	37991	Strand	-
Start	6563	End	7019
Name	OJ991216_06.0211.C5.o3.gp	Method	AAT/GAP
Start	6563	End	7019
GI	none	Score	750
Exons	6563..7019		
Seq. No.	18130	Seq. ID	OJ991216_06.0211.C6
Gene No.	37992	Strand	+
Start	194	End	366
Name	OJ991216_06.0211.C6.o1.gs	Method	GENSCAN
Start	194	End	366
GI	none	Score	.98

Exons	194..366		
Seq. No.	18130	Seq. ID	OJ991216_06.0211.C6
Gene No.	37993	Strand	+
Start	12779	End	13246
Name	OJ991216_06.0211.C6.o5.gp	Method	AAT/GAP
Start	12146	End	13123
GI	none	Score	749
Exons	12146..12239, 12788..13123		
Seq. No.	18130	Seq. ID	OJ991216_06.0211.C6
Gene No.	37993	Strand	+
Start	12779	End	13246
Name	OJ991216_06.0211.C6.o3.gs	Method	GENSCAN
Start	12779	End	13246
GI	none	Score	.81
Exons	12779..13246		
Seq. No.	18130	Seq. ID	OJ991216_06.0211.C6
Gene No.	37994	Strand	-
Start	712	End	9194
Name	OJ991216_06.0211.C6.o2.gs	Method	GENSCAN
Start	712	End	9194
GI	none	Score	.46
Exons	712..797, 901..1006, 1706..1801, 1838..1998, 3245..3356, 3379..3419, 3913..4031, 4204..4336, 5696..5858, 6025..6192, 6242..6431, 6561..6785, 6922..7103, 9156..9194		
Seq. No.	18130	Seq. ID	OJ991216_06.0211.C6
Gene No.	37994	Strand	-
Start	712	End	9194
Name	OJ991216_06.0211.C6.o2.gp	Method	AAT/GAP
Start	1912	End	2276
GI	uC-osflcyp108a10b1	Score	671
Exons	1912..2276		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 1.0e-39 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	18130	Seq. ID	OJ991216_06.0211.C6
Gene No.	37994	Strand	-
Start	712	End	9194
Name	OJ991216_06.0211.C6.o3.gp	Method	AAT/GAP
Start	3486	End	3728
GI	8022_1.R1084	Score	337
Exons	3486..3728		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	18131	Seq. ID	OJ991216_06.0211.C7
Gene No.	37995	Strand	+
Start	78	End	3038
Name	OJ991216_06.0211.C7.o1.gs	Method	GENSCAN
Start	78	End	3038
GI	none	Score	.4
Exons	78..328, 904..965, 1029..1060, 1136..1293, 1332..1571, 2152..2280, 2847..3038		

Seq. No.	18131	Seq. ID	OJ991216_06.0211.C7
Gene No.	37996	Strand	-
Start	3769	End	4190
Name	OJ991216_06.0211.C7.o2.gs	Method	GENSCAN
Start	3769	End	4190
GI	none	Score	.75
Exons	3769..3817, 4056..4190		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	37997	Strand	+
Start	368	End	1156
Name	OJ991216_06.0211.C8.o1.gs	Method	GENSCAN
Start	368	End	1156
GI	none	Score	.97
Exons	368..451, 925..1156		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	37998	Strand	+
Start	3003	End	8566
Name	OJ991216_06.0211.C8.o1.np	Method	AAT/NAP
Start	2807	End	8563
GI	4455192	Score	1466
Exons	2807..2884, 3498..3870, 4636..4751, 4861..5403, 6462..6733, 6866..7014, 7360..7852, 8256..8563		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	37998	Strand	+
Start	3003	End	8566
Name	OJ991216_06.0211.C8.o2.gs	Method	GENSCAN
Start	3003	End	8566
GI	none	Score	.8
Exons	3003..3075, 3577..3870, 4385..4418, 4974..5359, 6315..6356, 6458..6748, 6875..7014, 7360..7852, 8187..8474, 8490..8566		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	37998	Strand	+
Start	3003	End	8566
Name	OJ991216_06.0211.C8.o1.gp	Method	AAT/GAP
Start	6453	End	7848
GI	19032_1.R1084	Score	1787
Exons	6453..6748, 6875..7014, 7360..7848		
GI Descrip.	'4455192/emb\|CAB36515.1\| 7.0e-77 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	37999	Strand	+
Start	17497	End	18168
Name	OJ991216_06.0211.C8.o5.gs	Method	GENSCAN
Start	17497	End	18168
GI	none	Score	.74
Exons	17497..17565, 18016..18168		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38000	Strand	+
Start	20191	End	20328
Name	OJ991216_06.0211.C8.o7.gs	Method	GENSCAN

Start	20191	End	20328
GI	none	Score	.96
Exons	20191..20328		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38001	Strand	-
Start	8516	End	8795
Name	OJ991216_06.0211.C8.o2.gp	Method	AAT/GAP
Start	8516	End	8795
GI	none	Score	548
Exons	8516..8795		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38002	Strand	-
Start	8906	End	15189
Name	OJ991216_06.0211.C8.o2.np	Method	AAT/NAP
Start	8906	End	12158
GI	5042463	Score	360
Exons	8906..8951, 10697..10820, 10869..11025, 11761..12158		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38002	Strand	-
Start	8906	End	15189
Name	OJ991216_06.0211.C8.o3.gs	Method	GENSCAN
Start	9040	End	15189
GI	none	Score	.57
Exons	9040..9048, 9092..9179, 9661..9736, 10735..10820, 10898..11061, 11761..11794, 12148..12283, 13058..13173, 13179..13363, 13644..13851, 13898..14061, 14159..14354, 15041..15189		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38003	Strand	-
Start	15925	End	16692
Name	OJ991216_06.0211.C8.o4.gs	Method	GENSCAN
Start	15925	End	16692
GI	none	Score	.96
Exons	15925..16016, 16179..16692		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38004	Strand	-
Start	18389	End	19277
Name	OJ991216_06.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	3570	End	5243
GI	none	Score	270
Exons	3570..3866, 3575..3838, 4641..4757, 4854..4997, 4855..4995, 5005..5235, 5007..5141, 5009..5236, 5163..5243		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38004	Strand	-
Start	18389	End	19277
Name	OJ991216_06.0211.C8.o4.tm	Method	TBLASTX:Maize
Start	3570	End	3780
GI	none	Score	221
Exons	3570..3776, 3575..3763, 3607..3780		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8

Gene No.	38004	Strand	-
Start	18389	End	19277
Name	OJ991216_06.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	3666	End	8407
GI	none	Score	68
Exons	3666..3773, 5077..5361, 5079..5360, 6466..6729, 6471..6728, 6870..6965, 6871..6984, 7351..7440, 7516..7854, 7719..7853, 8258..8407		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38004	Strand	-
Start	18389	End	19277
Name	OJ991216_06.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	4933	End	7836
GI	none	Score	514
Exons	4933..5358, 4936..5229, 4941..5342, 7651..7731, 7801..7836		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38004	Strand	-
Start	18389	End	19277
Name	OJ991216_06.0211.C8.o2.tc	Method	TBLASTX:Cress
Start	5247	End	7647
GI	none	Score	153
Exons	5247..5363, 5248..5364, 5249..5365, 6466..6735, 6471..6728, 6870..6974, 6871..6981, 7354..7449, 7516..7647		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38004	Strand	-
Start	18389	End	19277
Name	OJ991216_06.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	6481	End	6947
GI	none	Score	331
Exons	6481..6735, 6487..6747, 6488..6748, 6489..6749, 6876..6947, 6877..6945		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38004	Strand	-
Start	18389	End	19277
Name	OJ991216_06.0211.C8.o3.tm	Method	TBLASTX:Maize
Start	6949	End	8323
GI	none	Score	70
Exons	6949..7014, 6951..7010, 7351..7455, 7357..7452, 7358..7456, 7458..7568, 7459..7635, 7461..7643, 7732..7851, 7744..7851, 8258..8323		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38004	Strand	-
Start	18389	End	19277
Name	OJ991216_06.0211.C8.o3.tc	Method	TBLASTX:Cress
Start	7651	End	7865
GI	none	Score	197
Exons	7651..7851, 7698..7865		

Seq. No.	18132	Seq. ID	OJ991216_06.0211.C8
Gene No.	38004	Strand	-
Start	18389	End	19277
Name	OJ991216_06.0211.C8.o6.gs	Method	GENSCAN

Start	18389	End	19277
GI	none	Score	.89
Exons	18389..18503, 19261..19277		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	3001
GI	4322346	Score	341
Exons	1..358, 1022..1237, 1294..1890, 2918..3001		
GI Descrip.	(AF081825) sodium-dependent high-affinity dicarboxylate transporter [Rattus norvegicus] gi\|4837725\|gb\|AAD30657.1\|AF080451_1 (AF080451) sodium-dependent dicarboxylate transporter SDCT2 [Rattus norvegicus]		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	4	End	1234
GI	none	Score	112
Exons	4..93, 5..94, 122..430, 124..384, 919..963, 1166..1234, 1174..1230		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o4.tc	Method	TBLASTX:Cress
Start	4	End	237
GI	none	Score	127
Exons	4..186, 5..94, 124..237, 128..235		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o1.gs	Method	GENSCAN
Start	23	End	7582
GI	none	Score	.72
Exons	23..428, 921..964, 1163..1258, 1357..1867, 3460..3743, 3775..4713, 5911..6060, 6989..7582		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o3.tc	Method	TBLASTX:Cress
Start	914	End	1473
GI	none	Score	65
Exons	914..964, 919..963, 1162..1227, 1163..1243, 1169..1243, 1324..1473		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o5.tm	Method	TBLASTX:Maize
Start	1341	End	1545
GI	none	Score	157

Exons	1341..1526, 1356..1544, 1357..1545		
Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o1.gp	Method	AAT/GAP
Start	1388	End	2380
GI	1497_1.R1084	Score	1693
Exons	1388..1867, 1974..2380		
GI Descrip.	'4322346/gb\|AAD16019\| 6.0e-28 (AF081825) sodium-dependent high-affinity dicarboxylate transporter [Rattus norvegicus] >gi_4837725_gb_AAD30657.1_AF080451_1 (AF080451) sodium-dependent dicarboxylate transporter SDCT2 [Rattus norvegicus]'		
Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o4.ts	Method	TBLASTX:Soybean
Start	1417	End	1827
GI	none	Score	201
Exons	1417..1644, 1437..1574, 1564..1827, 1575..1817		
Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o3.tm	Method	TBLASTX:Maize
Start	1590	End	1872
GI	none	Score	175
Exons	1590..1868, 1590..1868, 1591..1872		
Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	1642	End	1869
GI	none	Score	260
Exons	1642..1869, 1644..1868		
Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o2.tm	Method	TBLASTX:Maize
Start	4404	End	4713
GI	none	Score	266
Exons	4404..4577, 4405..4578, 4572..4709, 4573..4713, 4609..4713		
Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o2.tc	Method	TBLASTX:Cress
Start	5908	End	6967
GI	none	Score	256
Exons	5908..6057, 5908..6057, 5910..6059, 6854..6889, 6884..6940, 6935..6967		
Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+

Start	1	End	7931
Name	OJ991216_06.0211.C9.o5.ts	Method	TBLASTX:Soybean
Start	5919	End	6065
GI	none	Score	210
Exons	5919..6050, 5920..6060, 5921..6061, 5922..6065		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o4.tm	Method	TBLASTX:Maize
Start	6855	End	7105
GI	none	Score	68
Exons	6855..6962, 6856..7083, 6856..7104, 6860..7105		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o2.ts	Method	TBLASTX:Soybean
Start	6887	End	7219
GI	none	Score	265
Exons	6887..7162, 6895..7104, 7148..7216, 7166..7219		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	7124	End	7417
GI	none	Score	453
Exons	7124..7417, 7129..7416, 7130..7417		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o3.ts	Method	TBLASTX:Soybean
Start	7336	End	7582
GI	none	Score	295
Exons	7336..7581, 7337..7582		

Seq. No.	18133	Seq. ID	OJ991216_06.0211.C9
Gene No.	38005	Strand	+
Start	1	End	7931
Name	OJ991216_06.0211.C9.o2.gp	Method	AAT/GAP
Start	7473	End	7931
GI	702409	Score	886
Exons	7473..7931		

Seq. No.	18134	Seq. ID	OJ991216_06.0211.C10
Gene No.	38006	Strand	+
Start	1924	End	1977
Name	OJ991216_06.0211.C10.o1.gs	Method	GENSCAN
Start	1924	End	1977
GI	none	Score	.55
Exons	1924..1977		

Seq. No.	18135	Seq. ID	OJ991216_06.0211.C11
Gene No.	38007	Strand	+
Start	1055	End	1458

Name	OJ991216_06.0211.C11.o1.gs	Method	GENSCAN
Start	1055	End	1458
GI	none	Score	.76
Exons	1055..1107, 1179..1458		

Seq. No.	18136	Seq. ID	OJ991216_06.0211.C13
Gene No.	38008	Strand	+
Start	461	End	1347
Name	OJ991216_06.0211.C13.o1.gs	Method	GENSCAN
Start	461	End	1347
GI	none	Score	.56
Exons	461..754, 918..954, 1274..1347		

Seq. No.	18137	Seq. ID	OJ991216_06.0211.C14
Gene No.	38009	Strand	+
Start	92	End	3130
Name	OJ991216_06.0211.C14.o1.gs	Method	GENSCAN
Start	92	End	3130
GI	none	Score	.93
Exons	92..943, 1703..1791, 2165..2273, 2693..3130		

Seq. No.	18137	Seq. ID	OJ991216_06.0211.C14
Gene No.	38009	Strand	+
Start	92	End	3130
Name	OJ991216_06.0211.C14.o1.np	Method	AAT/NAP
Start	92	End	3115
GI	4678280	Score	902
Exons	92..206, 287..507, 640..943, 2666..3115		
GI Descrip.	(AL049660) zinc finger-like protein [Arabidopsis thaliana]		

Seq. No.	18137	Seq. ID	OJ991216_06.0211.C14
Gene No.	38009	Strand	+
Start	92	End	3130
Name	OJ991216_06.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	823	End	2812
GI	none	Score	219
Exons	823..921, 824..961, 2660..2812, 2686..2811		

Seq. No.	18137	Seq. ID	OJ991216_06.0211.C14
Gene No.	38009	Strand	+
Start	92	End	3130
Name	OJ991216_06.0211.C14.o1.ts	Method	TBLASTX:Soybean
Start	845	End	3022
GI	none	Score	134
Exons	845..961, 850..921, 2663..3022, 2686..3015		

Seq. No.	18138	Seq. ID	OJ991216_06.0211.C15
Gene No.	38010	Strand	+
Start	422	End	538
Name	OJ991216_06.0211.C15.o1.gs	Method	GENSCAN
Start	422	End	538
GI	none	Score	.88
Exons	422..538		

Seq. No.	18138	Seq. ID	OJ991216_06.0211.C15
Gene No.	38011	Strand	-
Start	1914	End	2024

Name	OJ991216_06.0211.C15.o2.gs	Method	GENSCAN
Start	1914	End	2024
GI	none	Score	.5
Exons	1914..2024		

Seq. No.	18139	Seq. ID	OJ991216_06.0211.C16
Gene No.	38012	Strand	+
Start	2090	End	2617
Name	OJ991216_06.0211.C16.o1.gp	Method	AAT/GAP
Start	2090	End	2617
GI	21466_1.R1084	Score	969
Exons	2090..2617		
GI Descrip.	'6006355/dbj\|AP000559.1\|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	18139	Seq. ID	OJ991216_06.0211.C16
Gene No.	38013	Strand	-
Start	237	End	650
Name	OJ991216_06.0211.C16.o1.gs	Method	GENSCAN
Start	237	End	650
GI	none	Score	.87
Exons	237..650		

Seq. No.	18139	Seq. ID	OJ991216_06.0211.C16
Gene No.	38014	Strand	-
Start	2964	End	3758
Name	OJ991216_06.0211.C16.o2.gs	Method	GENSCAN
Start	2964	End	3542
GI	none	Score	.85
Exons	2964..3542		

Seq. No.	18139	Seq. ID	OJ991216_06.0211.C16
Gene No.	38014	Strand	-
Start	2964	End	3758
Name	OJ991216_06.0211.C16.o1.np	Method	AAT/NAP
Start	2967	End	3758
GI	6006375	Score	775
Exons	2967..3511, 3697..3758		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	18140	Seq. ID	OJ991216_06.0211.C17
Gene No.	38015	Strand	-
Start	1	End	2836
Name	OJ991216_06.0211.C17.o1.np	Method	AAT/NAP
Start	1	End	2836
GI	6006374	Score	4888
Exons	1..2836		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	18141	Seq. ID	OJ991216_06.0211.C18
Gene No.	38016	Strand	+
Start	1	End	560
Name	OJ991216_06.0211.C18.o1.np	Method	AAT/NAP
Start	1	End	560
GI	586841	Score	214

Exons	1..560		
GI Descrip.	HYPOTHETICAL 32.9 KD PROTEIN IN TETB-EXOA INTERGENIC REGION gi\|2127011\|pir\|\|S66005 hypothetical protein - Bacillus subtilis gi\|467365\|dbj\|BAA05211\| (D26185) unknown [Bacillus subtilis] gi\|2636628\|emb\|CAB16118\| (Z99124) similar to hypothetical proteins [Bacillus subtilis]		
Seq. No.	18141	Seq. ID	OJ991216_06.0211.C18
Gene No.	38016	Strand	+
Start	1	End	560
Name	OJ991216_06.0211.C18.o1.gs	Method	GENSCAN
Start	58	End	519
GI	none	Score	.96
Exons	58..519		
Seq. No.	18142	Seq. ID	OJ991216_06.0211.C19
Gene No.	38017	Strand	-
Start	1	End	487
Name	OJ991216_06.0211.C19.o1.np	Method	AAT/NAP
Start	1	End	487
GI	6006374	Score	790
Exons	1..487		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		
Seq. No.	18142	Seq. ID	OJ991216_06.0211.C19
Gene No.	38017	Strand	-
Start	1	End	487
Name	OJ991216_06.0211.C19.o1.gs	Method	GENSCAN
Start	31	End	258
GI	none	Score	.75
Exons	31..258		
Seq. No.	18143	Seq. ID	OJ991216_02.0218.C1
Gene No.	38018	Strand	+
Start	9	End	236
Name	OJ991216_02.0218.C1.o1.gs	Method	GENSCAN
Start	9	End	236
GI	none	Score	.87
Exons	9..236		
Seq. No.	18144	Seq. ID	OJ991216_02.0218.C2
Gene No.	38019	Strand	-
Start	1	End	420
Name	OJ991216_02.0218.C2.o1.np	Method	AAT/NAP
Start	1	End	420
GI	6960242	Score	197
Exons	1..253, 293..420		
GI Descrip.	(AF233324) 89% identity with E. coli homoserine/homoserine lactone efflux protein (RHTB-also known as yigK) (SP:P27847) [Salmonella typhimurium LT2]		
Seq. No.	18144	Seq. ID	OJ991216_02.0218.C2
Gene No.	38019	Strand	-
Start	1	End	420
Name	OJ991216_02.0218.C2.o1.gs	Method	GENSCAN
Start	17	End	418

GI	none	Score	1
Exons	17..418		
Seq. No.	18145	Seq. ID	OJ991216_02.0218.C3
Gene No.	38020	Strand	+
Start	1711	End	6367
Name	OJ991216_02.0218.C3.o1.gs	Method	GENSCAN
Start	1711	End	6367
GI	none	Score	.53
Exons	1711..1872, 2522..2693, 4035..4178, 6336..6367		
Seq. No.	18145	Seq. ID	OJ991216_02.0218.C3
Gene No.	38020	Strand	+
Start	1711	End	6367
Name	OJ991216_02.0218.C3.o1.np	Method	AAT/NAP
Start	4018	End	4138
GI	6721512	Score	66
Exons	4018..4138		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	18145	Seq. ID	OJ991216_02.0218.C3
Gene No.	38021	Strand	+
Start	6953	End	7202
Name	OJ991216_02.0218.C3.o2.gs	Method	GENSCAN
Start	6953	End	7202
GI	none	Score	.54
Exons	6953..7202		
Seq. No.	18146	Seq. ID	OJ991216_02.0218.C4
Gene No.	38022	Strand	+
Start	1	End	3944
Name	OJ991216_02.0218.C4.o1.np	Method	AAT/NAP
Start	1	End	3944
GI	5777618	Score	290
Exons	1..31, 1151..1284, 2330..2760, 3912..3944		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		
Seq. No.	18146	Seq. ID	OJ991216_02.0218.C4
Gene No.	38022	Strand	+
Start	1	End	3944
Name	OJ991216_02.0218.C4.o1.gs	Method	GENSCAN
Start	1064	End	1842
GI	none	Score	.64
Exons	1064..1284, 1765..1842		
Seq. No.	18146	Seq. ID	OJ991216_02.0218.C4
Gene No.	38023	Strand	-
Start	2307	End	2975
Name	OJ991216_02.0218.C4.o2.gs	Method	GENSCAN
Start	2307	End	2975
GI	none	Score	.46
Exons	2307..2401, 2623..2660, 2806..2975		
Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38024	Strand	+
Start	32	End	286
Name	OJ991216_02.0218.C5.o1.gs	Method	GENSCAN

Start	32	End	286
GI	none	Score	.97
Exons	32..286		

Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38025	Strand	+
Start	2031	End	2417
Name	OJ991216_02.0218.C5.o1.gp	Method	AAT/GAP
Start	2031	End	2417
GI	none	Score	737
Exons	2031..2417		

Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38026	Strand	-
Start	849	End	5442
Name	OJ991216_02.0218.C5.o1.np	Method	AAT/NAP
Start	849	End	5442
GI	6016874	Score	1941
Exons	849..881, 2714..2972, 3448..3787, 3905..4084, 4478..4637, 5028..5260, 5325..5442		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38026	Strand	-
Start	849	End	5442
Name	OJ991216_02.0218.C5.o2.gs	Method	GENSCAN
Start	2292	End	5343
GI	none	Score	.64
Exons	2292..2594, 2714..2972, 3448..3787, 3905..4084, 4478..4637, 5028..5260, 5325..5343		

Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38026	Strand	-
Start	849	End	5442
Name	OJ991216_02.0218.C5.o1.ts	Method	TBLASTX:Soybean
Start	2313	End	2451
GI	none	Score	138
Exons	2313..2447, 2329..2451		

Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38026	Strand	-
Start	849	End	5442
Name	OJ991216_02.0218.C5.o1.tc	Method	TBLASTX:Cress
Start	2325	End	2451
GI	none	Score	124
Exons	2325..2447, 2329..2451		

Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38026	Strand	-
Start	849	End	5442
Name	OJ991216_02.0218.C5.o2.tm	Method	TBLASTX:Maize
Start	3510	End	3753
GI	none	Score	89
Exons	3510..3743, 3595..3753		

Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38026	Strand	-
Start	849	End	5442
Name	OJ991216_02.0218.C5.o4.tm	Method	TBLASTX:Maize
Start	3865	End	4217
GI	none	Score	136
Exons	3865..4206, 3936..4217		

Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38026	Strand	-
Start	849	End	5442
Name	OJ991216_02.0218.C5.o3.tm	Method	TBLASTX:Maize
Start	4422	End	4736
GI	none	Score	108
Exons	4422..4649, 4423..4641, 4662..4736		

Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38026	Strand	-
Start	849	End	5442
Name	OJ991216_02.0218.C5.o2.gp	Method	AAT/GAP
Start	4427	End	4935
GI	uC-osflcyp110c07b1	Score	970
Exons	4427..4935		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	18147	Seq. ID	OJ991216_02.0218.C5
Gene No.	38026	Strand	-
Start	849	End	5442
Name	OJ991216_02.0218.C5.o1.tm	Method	TBLASTX:Maize
Start	4830	End	5276
GI	none	Score	102
Exons	4830..4868, 4863..4919, 4956..5204, 4996..5205, 5190..5276		

Seq. No.	18148	Seq. ID	OJ991216_02.0218.C6
Gene No.	38027	Strand	+
Start	26	End	243
Name	OJ991216_02.0218.C6.o1.gs	Method	GENSCAN
Start	26	End	243
GI	none	Score	.79
Exons	26..87, 123..243		

Seq. No.	18148	Seq. ID	OJ991216_02.0218.C6
Gene No.	38028	Strand	-
Start	1	End	704
Name	OJ991216_02.0218.C6.o1.gp	Method	AAT/GAP
Start	1	End	704
GI	78_1.R1084	Score	221
Exons	1..145, 678..704		
GI Descrip.	'6006312/dbj\|BAA84780.1\| 0.0e+00 (AB018444) nonphototrophic hypocotyl 1a [Oryza sativa]'		

Seq. No.	18148	Seq. ID	OJ991216_02.0218.C6
Gene No.	38028	Strand	-
Start	1	End	704
Name	OJ991216_02.0218.C6.o1.np	Method	AAT/NAP

Start	1	End	141
GI	6006312	Score	177
Exons	1..141		
GI Descrip.	(AB018444) nonphototrophic hypocotyl 1a [Oryza sativa]		

Seq. No.	18149	Seq. ID	OJ991216_02.0218.C7
Gene No.	38029	Strand	+
Start	1	End	2408
Name	OJ991216_02.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	854
GI	5734736	Score	633
Exons	1..854		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18149	Seq. ID	OJ991216_02.0218.C7
Gene No.	38029	Strand	+
Start	1	End	2408
Name	OJ991216_02.0218.C7.o1.gs	Method	GENSCAN
Start	285	End	2408
GI	none	Score	.64
Exons	285..827, 2067..2408		

Seq. No.	18149	Seq. ID	OJ991216_02.0218.C7
Gene No.	38030	Strand	-
Start	2780	End	4772
Name	OJ991216_02.0218.C7.o2.gs	Method	GENSCAN
Start	2780	End	4772
GI	none	Score	.59
Exons	2780..3027, 3070..3252, 4697..4772		

Seq. No.	18149	Seq. ID	OJ991216_02.0218.C7
Gene No.	38031	Strand	-
Start	5038	End	6156
Name	OJ991216_02.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	152	End	572
GI	none	Score	234
Exons	152..328, 153..359, 158..364, 345..572, 413..559		

Seq. No.	18149	Seq. ID	OJ991216_02.0218.C7
Gene No.	38031	Strand	-
Start	5038	End	6156
Name	OJ991216_02.0218.C7.o1.tc	Method	TBLASTX:Cress
Start	156	End	824
GI	none	Score	162
Exons	156..338, 363..452, 456..572, 462..554, 591..824, 611..781		

Seq. No.	18149	Seq. ID	OJ991216_02.0218.C7
Gene No.	38031	Strand	-
Start	5038	End	6156
Name	OJ991216_02.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	177	End	830
GI	none	Score	127
Exons	177..347, 363..830, 419..616, 641..778		

Seq. No.	18149	Seq. ID	OJ991216_02.0218.C7
Gene No.	38031	Strand	-
Start	5038	End	6156

Name	OJ991216_02.0218.C7.o1.tw	Method	TBLASTX:Wheat
Start	372	End	779
GI	none	Score	151
Exons	372..575, 612..779		

Seq. No.	18149	Seq. ID	OJ991216_02.0218.C7
Gene No.	38031	Strand	-
Start	5038	End	6156
Name	OJ991216_02.0218.C7.o2.tm	Method	TBLASTX:Maize
Start	585	End	820
GI	none	Score	201
Exons	585..818, 596..820		

Seq. No.	18149	Seq. ID	OJ991216_02.0218.C7
Gene No.	38031	Strand	-
Start	5038	End	6156
Name	OJ991216_02.0218.C7.o2.np	Method	AAT/NAP
Start	5038	End	6156
GI	1076211	Score	209
Exons	5038..5099, 5872..6156		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi\|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 ..265 [Chlamydomonas reinhardtii]		

Seq. No.	18150	Seq. ID	OJ991216_02.0218.C8
Gene No.	38032	Strand	+
Start	9163	End	9774
Name	OJ991216_02.0218.C8.o1.np	Method	AAT/NAP
Start	9163	End	9514
GI	4580396	Score	332
Exons	9163..9514		
GI Descrip.	(AC007171) putative homeodomain transcription factor [Arabidopsis thaliana]		

Seq. No.	18150	Seq. ID	OJ991216_02.0218.C8
Gene No.	38032	Strand	+
Start	9163	End	9774
Name	OJ991216_02.0218.C8.o3.gs	Method	GENSCAN
Start	9163	End	9774
GI	none	Score	.9
Exons	9163..9774		

Seq. No.	18150	Seq. ID	OJ991216_02.0218.C8
Gene No.	38033	Strand	-
Start	5616	End	5957
Name	OJ991216_02.0218.C8.o1.gp	Method	AAT/GAP
Start	5616	End	5957
GI	LIB3431-004-P1-K1-G12	Score	95
Exons	5616..5647, 5882..5957		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	18150	Seq. ID	OJ991216_02.0218.C8
Gene No.	38034	Strand	
Start	9178	End	9347
Name	OJ991216_02.0218.C8.o1.tm	Method	TBLASTX:Maize

Start	9178	End	9347
GI	none	Score	198
Exons	9178..9345, 9201..9347, 9237..9347		

Seq. No.	18150	Seq. ID	OJ991216_02.0218.C8
Gene No.	38034	Strand	
Start	9178	End	9347
Name	OJ991216_02.0218.C8.o1.ts	Method	TBLASTX:Soybean
Start	9181	End	9347
GI	none	Score	216
Exons	9181..9345, 9201..9347		

Seq. No.	18151	Seq. ID	OJ991216_02.0218.C9
Gene No.	38035	Strand	-
Start	1007	End	2113
Name	OJ991216_02.0218.C9.o1.gs	Method	GENSCAN
Start	1007	End	2113
GI	none	Score	.54
Exons	1007..1157, 1295..1337, 2056..2113		

Seq. No.	18152	Seq. ID	OJ991216_02.0218.C10
Gene No.	38036	Strand	+
Start	194	End	1766
Name	OJ991216_02.0218.C10.o1.np	Method	AAT/NAP
Start	194	End	1766
GI	5042463	Score	23
Exons	194..306, 349..392, 1714..1766		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	18152	Seq. ID	OJ991216_02.0218.C10
Gene No.	38037	Strand	+
Start	5724	End	5976
Name	OJ991216_02.0218.C10.o1.gp	Method	AAT/GAP
Start	5724	End	5976
GI	78_1.R1084	Score	455
Exons	5724..5976		
GI Descrip.	'6006312/dbj\|BAA84780.1\| 0.0e+00 (AB018444) nonphototrophic hypocotyl 1a [Oryza sativa]'		

Seq. No.	18152	Seq. ID	OJ991216_02.0218.C10
Gene No.	38038	Strand	-
Start	239	End	1549
Name	OJ991216_02.0218.C10.o1.gs	Method	GENSCAN
Start	239	End	1549
GI	none	Score	.58
Exons	239..361, 973..1132, 1419..1549		

Seq. No.	18152	Seq. ID	OJ991216_02.0218.C10
Gene No.	38039	Strand	
Start	4258	End	4813
Name	OJ991216_02.0218.C10.o2.tm	Method	TBLASTX:Maize
Start	4258	End	4813
GI	none	Score	59
Exons	4258..4398, 4472..4813, 4509..4733		

Seq. No.	18152	Seq. ID	OJ991216_02.0218.C10
Gene No.	38040	Strand	

Start	5048	End	5273
Name	OJ991216_02.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	5048	End	5273
GI	none	Score	114
Exons	5048..5272, 5079..5273		

Seq. No.	18153	Seq. ID	OJ991216_02.0218.C11
Gene No.	38041	Strand	+
Start	1672	End	5215
Name	OJ991216_02.0218.C11.o1.gs	Method	GENSCAN
Start	1672	End	5213
GI	none	Score	.88
Exons	1672..1931, 2100..2499, 3405..3909, 3984..4166, 4267..4358, 4551..4749, 4825..5038, 5143..5213		

Seq. No.	18153	Seq. ID	OJ991216_02.0218.C11
Gene No.	38041	Strand	+
Start	1672	End	5215
Name	OJ991216_02.0218.C11.o1.np	Method	AAT/NAP
Start	3392	End	5215
GI	6006312	Score	2103
Exons	3392..3909, 3984..4166, 4267..4358, 4476..4749, 4825..5038, 5143..5215		
GI Descrip.	(AB018444) nonphototrophic hypocotyl 1a [Oryza sativa]		

Seq. No.	18153	Seq. ID	OJ991216_02.0218.C11
Gene No.	38041	Strand	+
Start	1672	End	5215
Name	OJ991216_02.0218.C11.o1.gp	Method	AAT/GAP
Start	3403	End	5215
GI	78_1.R1084	Score	2522
Exons	3403..3909, 3984..4166, 4267..4358, 4476..4749, 4825..5038, 5143..5215		
GI Descrip.	'6006312/dbj\|BAA84780.1\| 0.0e+00 (AB018444) nonphototrophic hypocotyl 1a [Oryza sativa]'		

Seq. No.	18153	Seq. ID	OJ991216_02.0218.C11
Gene No.	38041	Strand	+
Start	1672	End	5215
Name	OJ991216_02.0218.C11.o1.tc	Method	TBLASTX:Cress
Start	3467	End	5214
GI	none	Score	70
Exons	3467..3508, 3584..3772, 3595..3693, 3743..3907, 3748..3915, 3760..3909, 3767..3907, 3984..4166, 3985..4188, 3985..4167, 4243..4356, 4267..4356, 4268..4381, 4469..4561, 4847..5041, 4850..5068, 5143..5214, 5148..5213		

Seq. No.	18153	Seq. ID	OJ991216_02.0218.C11
Gene No.	38041	Strand	+
Start	1672	End	5215
Name	OJ991216_02.0218.C11.o1.tm	Method	TBLASTX:Maize
Start	3754	End	5214
GI	none	Score	236
Exons	3754..3909, 3755..3907, 3756..3920, 3767..3907, 3844..3909, 3983..4147, 3984..4166, 3985..4188, 3985..4167, 4243..4353, 4267..4356, 4268..4369, 4469..4606, 4474..4590, 4611..4715, 4612..4728, 4613..4750, 4614..4727, 4624..4728, 4679..4750,		

4706..4750, 4722..4754, 4826..4870, 4829..4906, 4830..4919, 4880..5041, 4880..5041, 5143..5214, 5143..5214

Seq. No.	18153	Seq. ID	OJ991216_02.0218.C11
Gene No.	38041	Strand	+
Start	1672	End	5215
Name	OJ991216_02.0218.C11.o1.ts	Method	TBLASTX:Soybean
Start	3814	End	5214
GI	none	Score	130
Exons	3814..3915, 3815..3907, 3966..4166, 3985..4188, 4267..4356, 4268..4369, 4469..4561, 5143..5214		

Seq. No.	18154	Seq. ID	OJ991216_02.0218.C12
Gene No.	38042	Strand	+
Start	1	End	1276
Name	OJ991216_02.0218.C12.o1.gp	Method	AAT/GAP
Start	1	End	809
GI	78_1.R1084	Score	410
Exons	1..106, 564..613, 722..809		
GI Descrip.	'6006312/dbj\|BAA84780.1\| 0.0e+00 (AB018444) nonphototrophic hypocotyl 1a [Oryza sativa]'		

Seq. No.	18154	Seq. ID	OJ991216_02.0218.C12
Gene No.	38042	Strand	+
Start	1	End	1276
Name	OJ991216_02.0218.C12.o1.np	Method	AAT/NAP
Start	1	End	1276
GI	6006312	Score	304
Exons	1..106, 564..613, 722..808, 1154..1276		
GI Descrip.	(AB018444) nonphototrophic hypocotyl 1a [Oryza sativa]		

Seq. No.	18154	Seq. ID	OJ991216_02.0218.C12
Gene No.	38042	Strand	+
Start	1	End	1276
Name	OJ991216_02.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	553	End	823
GI	none	Score	100
Exons	553..618, 554..613, 705..815, 706..816, 716..814, 719..823		

Seq. No.	18155	Seq. ID	OJ991216_02.0218.C13
Gene No.	38043	Strand	+
Start	1	End	2506
Name	OJ991216_02.0218.C13.o1.np	Method	AAT/NAP
Start	1	End	1786
GI	6006312	Score	715
Exons	1..50, 127..216, 755..831, 953..1037, 1155..1235, 1423..1526, 1724..1786		
GI Descrip.	(AB018444) nonphototrophic hypocotyl 1a [Oryza sativa]		

Seq. No.	18155	Seq. ID	OJ991216_02.0218.C13
Gene No.	38043	Strand	+
Start	1	End	2506
Name	OJ991216_02.0218.C13.o1.gp	Method	AAT/GAP
Start	1	End	2506
GI	78_1.R1084	Score	951
Exons	1..50, 127..216, 755..831, 953..1037, 1155..1235, 1423..1526, 1724..1776, 2482..2506		

GI Descrip.	'6006312/dbj\|BAA84780.1\| 0.0e+00 (AB018444) nonphototrophic hypocotyl 1a [Oryza sativa]'		
Seq. No.	18155	Seq. ID	OJ991216_02.0218.C13
Gene No.	38043	Strand	+
Start	1	End	2506
Name	OJ991216_02.0218.C13.o1.tc	Method	TBLASTX:Cress
Start	3	End	1775
GI	none	Score	61
Exons	3..47, 127..219, 760..831, 764..829, 950..1036, 951..1037, 957..1040, 1133..1240, 1158..1235, 1405..1527, 1722..1775		
Seq. No.	18155	Seq. ID	OJ991216_02.0218.C13
Gene No.	38043	Strand	+
Start	1	End	2506
Name	OJ991216_02.0218.C13.o1.tm	Method	TBLASTX:Maize
Start	3	End	1777
GI	none	Score	73
Exons	3..50, 3..50, 126..218, 126..224, 127..219, 747..827, 751..831, 755..829, 937..1038, 950..1039, 951..1040, 957..1040, 1154..1234, 1155..1235, 1405..1524, 1422..1523, 1715..1777		
Seq. No.	18155	Seq. ID	OJ991216_02.0218.C13
Gene No.	38043	Strand	+
Start	1	End	2506
Name	OJ991216_02.0218.C13.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1521
GI	none	Score	77
Exons	3..56, 124..219, 126..218, 751..831, 770..829, 950..1039, 951..1040, 1140..1238, 1155..1235, 1405..1521, 1422..1517		
Seq. No.	18155	Seq. ID	OJ991216_02.0218.C13
Gene No.	38043	Strand	+
Start	1	End	2506
Name	OJ991216_02.0218.C13.o1.gs	Method	GENSCAN
Start	98	End	1773
GI	none	Score	.89
Exons	98..216, 755..831, 1724..1773		
Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38044	Strand	+
Start	144	End	7531
Name	OJ991216_02.0218.C14.o1.gs	Method	GENSCAN
Start	144	End	6354
GI	none	Score	.49
Exons	144..306, 1412..1774, 2909..3273, 3381..3393, 3902..3914, 4177..4321, 4344..4503, 4593..4725, 4804..4906, 5002..5101, 5556..5632, 5711..5789, 6211..6354		
Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38044	Strand	+
Start	144	End	7531
Name	OJ991216_02.0218.C14.o1.gp	Method	AAT/GAP
Start	180	End	1065
GI	78_1.R1084	Score	1305
Exons	180..306, 369..509, 617..1065		
GI Descrip.	'6006312/dbj\|BAA84780.1\| 0.0e+00 (AB018444) nonphototrophic		

hypocotyl 1a [Oryza sativa]'

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38044	Strand	+
Start	144	End	7531
Name	OJ991216_02.0218.C14.o1.np	Method	AAT/NAP
Start	192	End	703
GI	6006312	Score	499
Exons	192..306, 369..509, 617..703		
GI Descrip.	(AB018444) nonphototrophic hypocotyl 1a [Oryza sativa]		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38044	Strand	+
Start	144	End	7531
Name	OJ991216_02.0218.C14.o2.np	Method	AAT/NAP
Start	4168	End	7531
GI	3970880	Score	550
Exons	4168..4725, 4804..4906, 5002..5101, 5556..5632, 5711..5789, 6211..6322, 7451..7531		
GI Descrip.	(AB015724) nuclear receptor binding factor-1 [Rattus norvegicus]		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38044	Strand	+
Start	144	End	7531
Name	OJ991216_02.0218.C14.o2.gp	Method	AAT/GAP
Start	4439	End	5778
GI	6353_1.R1084	Score	1146
Exons	4439..4725, 4804..4906, 5002..5101, 5556..5632, 5711..5778		
GI Descrip.	'4929595/gb\|AAD34058.1\|AF151821_1 4.0e-40 (AF151821) CGI-63 protein [Homo sapiens]'		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38045	Strand	-
Start	6486	End	6850
Name	OJ991216_02.0218.C14.o1.tm	Method	TBLASTX:Maize
Start	186	End	507
GI	none	Score	187
Exons	186..311, 193..297, 197..310, 359..496, 360..506, 364..507, 366..491, 386..505		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38045	Strand	-
Start	6486	End	6850
Name	OJ991216_02.0218.C14.o2.tc	Method	TBLASTX:Cress
Start	186	End	649
GI	none	Score	164
Exons	186..311, 193..297, 204..302, 360..509, 386..508, 388..510, 620..649		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38045	Strand	-
Start	6486	End	6850
Name	OJ991216_02.0218.C14.o1.tw	Method	TBLASTX:Wheat
Start	189	End	509
GI	none	Score	91
Exons	189..311, 193..294, 372..509, 410..502		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38045	Strand	-
Start	6486	End	6850
Name	OJ991216_02.0218.C14.o3.ts	Method	TBLASTX:Soybean
Start	192	End	512
GI	none	Score	103
Exons	192..311, 193..294, 369..512, 401..502		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38045	Strand	-
Start	6486	End	6850
Name	OJ991216_02.0218.C14.o3.tc	Method	TBLASTX:Cress
Start	4284	End	4530
GI	none	Score	221
Exons	4284..4430, 4303..4473, 4306..4455, 4462..4530		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38045	Strand	-
Start	6486	End	6850
Name	OJ991216_02.0218.C14.o1.ts	Method	TBLASTX:Soybean
Start	4540	End	5773
GI	none	Score	38
Exons	4540..4557, 4556..4726, 4557..4727, 4784..4906, 4791..4907, 4999..5112, 5000..5113, 5556..5627, 5562..5633, 5564..5632, 5691..5759, 5705..5773, 5709..5771		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38045	Strand	-
Start	6486	End	6850
Name	OJ991216_02.0218.C14.o1.tc	Method	TBLASTX:Cress
Start	4556	End	4907
GI	none	Score	207
Exons	4556..4726, 4557..4727, 4781..4906, 4800..4907		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38045	Strand	-
Start	6486	End	6850
Name	OJ991216_02.0218.C14.o2.tm	Method	TBLASTX:Maize
Start	5601	End	6553
GI	none	Score	38
Exons	5601..5633, 5694..5789, 5694..5789, 5705..5791, 6196..6327, 6198..6326, 6427..6501, 6428..6502, 6506..6553		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38045	Strand	-
Start	6486	End	6850
Name	OJ991216_02.0218.C14.o2.ts	Method	TBLASTX:Soybean
Start	6189	End	6526
GI	none	Score	62
Exons	6189..6326, 6208..6330, 6209..6280, 6211..6330, 6421..6513, 6428..6526		

Seq. No.	18156	Seq. ID	OJ991216_02.0218.C14
Gene No.	38045	Strand	-
Start	6486	End	6850
Name	OJ991216_02.0218.C14.o3.gp	Method	AAT/GAP
Start	6486	End	6850

GI	none	Score	730
Exons	6486..6850		

Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38046	Strand	+
Start	1	End	3383
Name	OJ991216_02.0218.C15.o1.np	Method	AAT/NAP
Start	1	End	3383
GI	4678293	Score	218
Exons	1..51, 1043..1165, 1934..2047, 2229..2420, 3341..3383		
GI Descrip.	(AL049655) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38046	Strand	+
Start	1	End	3383
Name	OJ991216_02.0218.C15.o1.gs	Method	GENSCAN
Start	404	End	2526
GI	none	Score	.61
Exons	404..536, 802..853, 2055..2186, 2298..2526		

Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38046	Strand	+
Start	1	End	3383
Name	OJ991216_02.0218.C15.o1.gp	Method	AAT/GAP
Start	1125	End	2739
GI	15774_1.R1084	Score	1004
Exons	1125..1165, 1934..2073, 2161..2186, 2264..2420, 2502..2739		
GI Descrip.	'4678293/emb\|CAB41084.1\| 4.0e-24 (AL049655) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38047	Strand	-
Start	2314	End	4984
Name	OJ991216_02.0218.C15.o1.tm	Method	TBLASTX:Maize
Start	402	End	2541
GI	none	Score	76
Exons	402..434, 404..466, 413..472, 440..538, 469..537, 480..569, 830..937, 848..937, 849..953, 850..942, 1037..1171, 1041..1163, 1042..1197, 1046..1174, 1928..1957, 1932..1955, 1964..2044, 1981..2037, 2020..2073, 2027..2074, 2259..2333, 2260..2364, 2328..2420, 2329..2421, 2496..2525, 2500..2541		

Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38047	Strand	-
Start	2314	End	4984
Name	OJ991216_02.0218.C15.o2.ts	Method	TBLASTX:Soybean
Start	413	End	2409
GI	none	Score	177
Exons	413..538, 419..526, 469..537, 852..953, 853..942, 1037..1087, 1124..1171, 1961..2074, 2259..2408, 2260..2409		

Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38047	Strand	-
Start	2314	End	4984
Name	OJ991216_02.0218.C15.o2.np	Method	AAT/NAP
Start	2314	End	4984
GI	6174838	Score	224

Exons	2314..2365, 4093..4427, 4791..4984		
GI Descrip.	(AB026890) transcription factor NtWRKY4 [Nicotiana tabacum]		
Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38047	Strand	-
Start	2314	End	4984
Name	OJ991216_02.0218.C15.o2.gs	Method	GENSCAN
Start	3962	End	4942
GI	none	Score	.56
Exons	3962..4540, 4733..4942		
Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38047	Strand	-
Start	2314	End	4984
Name	OJ991216_02.0218.C15.o1.ts	Method	TBLASTX:Soybean
Start	4224	End	4412
GI	none	Score	188
Exons	4224..4403, 4244..4411, 4248..4412		
Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38047	Strand	-
Start	2314	End	4984
Name	OJ991216_02.0218.C15.o1.tc	Method	TBLASTX:Cress
Start	4244	End	4471
GI	none	Score	149
Exons	4244..4471, 4251..4406		
Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38047	Strand	-
Start	2314	End	4984
Name	OJ991216_02.0218.C15.o2.tm	Method	TBLASTX:Maize
Start	4244	End	4406
GI	none	Score	115
Exons	4244..4405, 4248..4406		
Seq. No.	18157	Seq. ID	OJ991216_02.0218.C15
Gene No.	38047	Strand	-
Start	2314	End	4984
Name	OJ991216_02.0218.C15.o1.tw	Method	TBLASTX:Wheat
Start	4251	End	4406
GI	none	Score	130
Exons	4251..4406, 4253..4405		
Seq. No.	18158	Seq. ID	OJ991216_02.0218.C16
Gene No.	38048	Strand	+
Start	1951	End	2161
Name	OJ991216_02.0218.C16.o1.gp	Method	AAT/GAP
Start	1951	End	2161
GI	uC-osf1M202081c05b1	Score	406
Exons	1951..2161		
GI Descrip.	'4371296/gb\|AAD18154\| 1.0e-32 (AC006260) putative receptor protein kinase [Arabidopsis thaliana]'		
Seq. No.	18158	Seq. ID	OJ991216_02.0218.C16
Gene No.	38049	Strand	-
Start	1228	End	2088
Name	OJ991216_02.0218.C16.o1.gs	Method	GENSCAN

Start	1228	End	2088
GI	none	Score	.98
Exons	1228..1391, 1956..2088		

Seq. No.	18159	Seq. ID	OJ991216_02.0218.C17
Gene No.	38050	Strand	+
Start	123	End	520
Name	OJ991216_02.0218.C17.o1.np	Method	AAT/NAP
Start	123	End	520
GI	4510401	Score	232
Exons	123..206, 290..338, 428..520		
GI Descrip.	(AC006587) putative RING zinc finger transcription negative regulator protein [Arabidopsis thaliana]		

Seq. No.	18159	Seq. ID	OJ991216_02.0218.C17
Gene No.	38051	Strand	+
Start	428	End	1095
Name	OJ991216_02.0218.C17.o1.gs	Method	GENSCAN
Start	428	End	1095
GI	none	Score	.96
Exons	428..519, 777..906, 1003..1095		

Seq. No.	18159	Seq. ID	OJ991216_02.0218.C17
Gene No.	38052	Strand	+
Start	1186	End	1651
Name	OJ991216_02.0218.C17.o1.gp	Method	AAT/GAP
Start	1186	End	1651
GI	none	Score	924
Exons	1186..1651		

Seq. No.	18159	Seq. ID	OJ991216_02.0218.C17
Gene No.	38053	Strand	-
Start	1236	End	1610
Name	OJ991216_02.0218.C17.o1.ts	Method	TBLASTX:Soybean
Start	123	End	1080
GI	none	Score	118
Exons	123..206, 124..210, 284..334, 288..338, 430..519, 431..520, 796..852, 1021..1080		

Seq. No.	18159	Seq. ID	OJ991216_02.0218.C17
Gene No.	38053	Strand	-
Start	1236	End	1610
Name	OJ991216_02.0218.C17.o1.tm	Method	TBLASTX:Maize
Start	306	End	1500
GI	none	Score	65
Exons	306..338, 309..338, 311..343, 427..519, 428..520, 431..526, 753..902, 757..900, 759..902, 794..904, 999..1079, 1003..1080, 1005..1079, 1015..1080, 1150..1374, 1155..1334, 1338..1466, 1347..1457, 1348..1470, 1456..1500, 1457..1498		

Seq. No.	18159	Seq. ID	OJ991216_02.0218.C17
Gene No.	38053	Strand	-
Start	1236	End	1610
Name	OJ991216_02.0218.C17.o2.gs	Method	GENSCAN
Start	1236	End	1610
GI	none	Score	.65
Exons	1236..1372, 1445..1610		

Seq. No.	18160	Seq. ID	OJ991216_02.0218.C19
Gene No.	38054	Strand	-
Start	775	End	1348
Name	OJ991216_02.0218.C19.o1.gs	Method	GENSCAN
Start	775	End	1179
GI	none	Score	1
Exons	775..1179		

Seq. No.	18160	Seq. ID	OJ991216_02.0218.C19
Gene No.	38054	Strand	-
Start	775	End	1348
Name	OJ991216_02.0218.C19.o1.tm	Method	TBLASTX:Maize
Start	793	End	1155
GI	none	Score	109
Exons	793..894, 844..900, 899..1027, 934..1029, 1099..1155, 1103..1153		

Seq. No.	18160	Seq. ID	OJ991216_02.0218.C19
Gene No.	38054	Strand	-
Start	775	End	1348
Name	OJ991216_02.0218.C19.o1.np	Method	AAT/NAP
Start	961	End	1348
GI	3650400	Score	93
Exons	961..1348		
GI Descrip.	(AL031739) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	18161	Seq. ID	OJ991216_02.0218.C20
Gene No.	38055	Strand	+
Start	115	End	1426
Name	OJ991216_02.0218.C20.o1.tc	Method	TBLASTX:Cress
Start	98	End	807
GI	none	Score	165
Exons	98..226, 115..219, 300..428, 301..426, 303..428, 693..791, 721..807		

Seq. No.	18161	Seq. ID	OJ991216_02.0218.C20
Gene No.	38055	Strand	+
Start	115	End	1426
Name	OJ991216_02.0218.C20.o1.gp	Method	AAT/GAP
Start	115	End	685
GI	uC-osf1M202081c05b1	Score	457
Exons	115..223, 301..428, 642..685		
GI Descrip.	'4371296/gb\|AAD18154\| 1.0e-32 (AC006260) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	18161	Seq. ID	OJ991216_02.0218.C20
Gene No.	38055	Strand	+
Start	115	End	1426
Name	OJ991216_02.0218.C20.o1.np	Method	AAT/NAP
Start	131	End	1426
GI	4510401	Score	437
Exons	131..223, 301..428, 642..804, 901..1023, 1384..1426		
GI Descrip.	(AC006587) putative RING zinc finger transcription negative regulator protein [Arabidopsis thaliana]		

Seq. No.	18161	Seq. ID	OJ991216_02.0218.C20
Gene No.	38055	Strand	+

Start	115	End	1426
Name	OJ991216_02.0218.C20.o1.gs	Method	GENSCAN
Start	131	End	1106
GI	none	Score	.81
Exons	131..223, 301..428, 642..804, 901..1106		

Seq. No.	18161	Seq. ID	OJ991216_02.0218.C20
Gene No.	38055	Strand	+
Start	115	End	1426
Name	OJ991216_02.0218.C20.o1.ts	Method	TBLASTX:Soybean
Start	136	End	950
GI	none	Score	160
Exons	136..222, 137..226, 137..226, 298..429, 299..427, 300..431, 300..431, 714..791, 715..807, 901..948, 909..950		

Seq. No.	18161	Seq. ID	OJ991216_02.0218.C20
Gene No.	38055	Strand	+
Start	115	End	1426
Name	OJ991216_02.0218.C20.o1.tm	Method	TBLASTX:Maize
Start	194	End	1024
GI	none	Score	53
Exons	194..226, 200..226, 300..428, 301..435, 302..430, 638..685, 639..719, 681..722, 699..806, 712..807, 715..807, 901..1020, 903..1016, 905..1024		

Seq. No.	18162	Seq. ID	OJ991216_02.0218.C21
Gene No.	38056	Strand	+
Start	25	End	1612
Name	OJ991216_02.0218.C21.o1.gs	Method	GENSCAN
Start	25	End	1415
GI	none	Score	.58
Exons	25..472, 862..1017, 1083..1415		

Seq. No.	18162	Seq. ID	OJ991216_02.0218.C21
Gene No.	38056	Strand	+
Start	25	End	1612
Name	OJ991216_02.0218.C21.o1.tm	Method	TBLASTX:Maize
Start	34	End	1612
GI	none	Score	96
Exons	34..141, 34..138, 120..332, 137..340, 145..333, 332..451, 339..473, 340..474, 340..474, 810..878, 818..877, 823..882, 863..913, 864..989, 875..919, 876..923, 879..926, 924..977, 961..1005, 965..1003, 966..1007, 1108..1269, 1109..1279, 1197..1283, 1271..1441, 1274..1462, 1448..1612, 1450..1611		

Seq. No.	18162	Seq. ID	OJ991216_02.0218.C21
Gene No.	38056	Strand	+
Start	25	End	1612
Name	OJ991216_02.0218.C21.o1.ts	Method	TBLASTX:Soybean
Start	807	End	1495
GI	none	Score	82
Exons	807..878, 815..877, 893..910, 921..944, 1156..1200, 1157..1345, 1385..1495		

Seq. No.	18162	Seq. ID	OJ991216_02.0218.C21
Gene No.	38056	Strand	+
Start	25	End	1612

Name	OJ991216_02.0218.C21.o1.gp	Method	AAT/GAP
Start	929	End	1304
GI	none	Score	728
Exons	929..1304		

Seq. No.	18163	Seq. ID	OJ991216_02.0218.C22
Gene No.	38057	Strand	-
Start	1	End	4731
Name	OJ991216_02.0218.C22.o1.gp	Method	AAT/GAP
Start	1	End	3805
GI	1203_1.R1084	Score	1634
Exons	1..126, 258..393, 530..713, 825..893, 1461..1587, 3566..3805		
GI Descrip.	'4371296/gb\|AAD18154\| 1.0e-117 (AC006260) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	18163	Seq. ID	OJ991216_02.0218.C22
Gene No.	38057	Strand	-
Start	1	End	4731
Name	OJ991216_02.0218.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	874
GI	none	Score	102
Exons	1..126, 2..127, 252..392, 259..393, 527..592, 529..579, 577..714, 581..715, 820..867, 824..874		

Seq. No.	18163	Seq. ID	OJ991216_02.0218.C22
Gene No.	38057	Strand	-
Start	1	End	4731
Name	OJ991216_02.0218.C22.o1.np	Method	AAT/NAP
Start	1	End	4574
GI	4371296	Score	1004
Exons	1..126, 258..393, 530..713, 825..890, 1455..1587, 3566..3818, 3877..4039, 4243..4304, 4507..4574		
GI Descrip.	(AC006260) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	18163	Seq. ID	OJ991216_02.0218.C22
Gene No.	38057	Strand	-
Start	1	End	4731
Name	OJ991216_02.0218.C22.o1.gs	Method	GENSCAN
Start	49	End	4731
GI	none	Score	.85
Exons	49..126, 258..393, 530..692, 1461..1587, 3566..3807, 3881..4035, 4507..4606, 4663..4731		

Seq. No.	18163	Seq. ID	OJ991216_02.0218.C22
Gene No.	38057	Strand	-
Start	1	End	4731
Name	OJ991216_02.0218.C22.o1.tm	Method	TBLASTX:Maize
Start	283	End	4575
GI	none	Score	151
Exons	283..393, 285..392, 526..714, 527..715, 529..714, 810..887, 820..891, 823..894, 1459..1590, 1460..1588, 3551..3832, 3552..3803, 3889..3984, 3973..4038, 3986..4036, 4232..4303, 4238..4303, 4239..4304, 4450..4575, 4506..4574		

Seq. No.	18163	Seq. ID	OJ991216_02.0218.C22
Gene No.	38057	Strand	-

Start	1	End	4731
Name	OJ991216_02.0218.C22.o1.tc	Method	TBLASTX:Cress
Start	285	End	714
GI	none	Score	68
Exons	285..416, 325..378, 527..562, 529..579, 595..714, 601..678		

Seq. No.	18163	Seq. ID	OJ991216_02.0218.C22
Gene No.	38057	Strand	-
Start	1	End	4731
Name	OJ991216_02.0218.C22.o2.ts	Method	TBLASTX:Soybean
Start	3606	End	3788
GI	none	Score	140
Exons	3606..3788, 3608..3787		

Seq. No.	18163	Seq. ID	OJ991216_02.0218.C22
Gene No.	38057	Strand	-
Start	1	End	4731
Name	OJ991216_02.0218.C22.o2.gp	Method	AAT/GAP
Start	3886	End	4731
GI	54162_1.R1084	Score	522
Exons	3886..4035, 4236..4304, 4507..4577, 4663..4731		
GI Descrip.	'4371296/gb\|AAD18154\| 4.0e-42 (AC006260) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	18164	Seq. ID	OJ991216_02.0218.C23
Gene No.	38058	Strand	-
Start	1	End	2061
Name	OJ991216_02.0218.C23.o1.gp	Method	AAT/GAP
Start	1	End	188
GI	2311351	Score	372
Exons	1..188		
GI Descrip.	4371296/gb\|AAD18154\| 1.0e-32 (AC006260) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	18164	Seq. ID	OJ991216_02.0218.C23
Gene No.	38058	Strand	-
Start	1	End	2061
Name	OJ991216_02.0218.C23.o2.tc	Method	TBLASTX:Cress
Start	1	End	342
GI	none	Score	194
Exons	1..195, 3..182, 7..183, 26..211, 242..328, 265..342		

Seq. No.	18164	Seq. ID	OJ991216_02.0218.C23
Gene No.	38058	Strand	-
Start	1	End	2061
Name	OJ991216_02.0218.C23.o1.np	Method	AAT/NAP
Start	1	End	2061
GI	4371296	Score	706
Exons	1..180, 269..811, 2028..2061		
GI Descrip.	(AC006260) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	18164	Seq. ID	OJ991216_02.0218.C23
Gene No.	38058	Strand	-
Start	1	End	2061
Name	OJ991216_02.0218.C23.o1.tm	Method	TBLASTX:Maize
Start	3	End	421

GI	none	Score	208
Exons	3..194, 25..192, 27..194, 218..421, 265..417		

Seq. No.	18164	Seq. ID	OJ991216_02.0218.C23
Gene No.	38058	Strand	-
Start	1	End	2061
Name	OJ991216_02.0218.C23.o1.gs	Method	GENSCAN
Start	36	End	1665
GI	none	Score	.89
Exons	36..180, 269..1150, 1607..1665		

Seq. No.	18164	Seq. ID	OJ991216_02.0218.C23
Gene No.	38058	Strand	-
Start	1	End	2061
Name	OJ991216_02.0218.C23.o1.tc	Method	TBLASTX:Cress
Start	382	End	714
GI	none	Score	127
Exons	382..558, 383..556, 547..714, 548..670		

Seq. No.	18164	Seq. ID	OJ991216_02.0218.C23
Gene No.	38058	Strand	-
Start	1	End	2061
Name	OJ991216_02.0218.C23.o1.ts	Method	TBLASTX:Soybean
Start	382	End	750
GI	none	Score	141
Exons	382..750, 383..745		

Seq. No.	18164	Seq. ID	OJ991216_02.0218.C23
Gene No.	38058	Strand	-
Start	1	End	2061
Name	OJ991216_02.0218.C23.o2.tm	Method	TBLASTX:Maize
Start	601	End	821
GI	none	Score	101
Exons	601..666, 602..676, 603..674, 684..803, 687..821, 703..804		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38059	Strand	+
Start	2691	End	4834
Name	OJ991216_02.0218.C24.o1.np	Method	AAT/NAP
Start	2691	End	4834
GI	6682243	Score	1583
Exons	2691..4834		
GI Descrip.	(AC016661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38059	Strand	+
Start	2691	End	4834
Name	OJ991216_02.0218.C24.o1.gp	Method	AAT/GAP
Start	4049	End	4543
GI	LIB3432-027-P1-K1-E4	Score	958
Exons	4049..4543		
GI Descrip.	'3107905/dbj\|BAA25906\| 8.0e-18 (D85101) leaf protein [Ipomoea nil]'		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38060	Strand	+
Start	9936	End	12672

Name	OJ991216_02.0218.C24.o3.gs	Method	GENSCAN
Start	9936	End	12647
GI	none	Score	.79
Exons	9936..10081, 10438..11002, 11496..11963, 12055..12206, 12371..12647		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38060	Strand	+
Start	9936	End	12672
Name	OJ991216_02.0218.C24.o3.np	Method	AAT/NAP
Start	10913	End	12672
GI	4432849	Score	509
Exons	10913..11007, 11429..11565, 11593..11963, 11994..12204, 12369..12672		
GI Descrip.	(AC006300) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38061	Strand	-
Start	4543	End	5082
Name	OJ991216_02.0218.C24.o2.gp	Method	AAT/GAP
Start	4543	End	5082
GI	none	Score	963
Exons	4543..5082		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38062	Strand	-
Start	5316	End	9586
Name	OJ991216_02.0218.C24.o2.gs	Method	GENSCAN
Start	5316	End	9586
GI	none	Score	.52
Exons	5316..5474, 5619..5699, 5983..6017, 6153..7237, 7316..7404, 7834..8007, 8264..8367, 9258..9425, 9470..9496, 9547..9586		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38062	Strand	-
Start	5316	End	9586
Name	OJ991216_02.0218.C24.o3.gp	Method	AAT/GAP
Start	8560	End	9158
GI	426649	Score	629
Exons	8560..8631, 8777..8845, 8935..9158		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o4.tm	Method	TBLASTX:Maize
Start	3418	End	4541
GI	none	Score	106
Exons	3418..3657, 3897..4067, 3912..4064, 4104..4283, 4107..4319, 4191..4328, 4335..4541		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o2.ts	Method	TBLASTX:Soybean
Start	3457	End	4385
GI	none	Score	64
Exons	3457..3648, 3912..4163, 4088..4384, 4089..4385		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o1.tw	Method	TBLASTX:Wheat
Start	7162	End	7401
GI	none	Score	163
Exons	7162..7335, 7163..7336, 7163..7339, 7251..7385, 7318..7401, 7329..7397		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o3.tm	Method	TBLASTX:Maize
Start	10765	End	11008
GI	none	Score	143
Exons	10765..10872, 10766..10876, 10891..10977, 10892..11008		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o1.ts	Method	TBLASTX:Soybean
Start	11424	End	12063
GI	none	Score	90
Exons	11424..11597, 11598..11789, 11621..11788, 11793..11933, 11794..11937, 11991..12047, 11998..12063		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o1.tm	Method	TBLASTX:Maize
Start	11751	End	12207
GI	none	Score	60
Exons	11751..11801, 11751..11786, 11778..12086, 11782..12207, 11791..12207		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o4.gp	Method	AAT/GAP
Start	12999	End	13437
GI	none	Score	838
Exons	12999..13437		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o4.gs	Method	GENSCAN
Start	13325	End	14368
GI	none	Score	.68
Exons	13325..13681, 14309..14368		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o4.np	Method	AAT/NAP
Start	13343	End	14460

GI	4510389	Score	650
Exons	13343..13672, 14253..14460		
GI Descrip.	(AC007017) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o3.ts	Method	TBLASTX:Soybean
Start	13352	End	14459
GI	none	Score	104
Exons	13352..13561, 13363..13500, 13364..13561, 13383..13613, 13553..13678, 13554..13685, 14243..14458, 14261..14302, 14304..14459		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o2.tm	Method	TBLASTX:Maize
Start	13354	End	14459
GI	none	Score	422
Exons	13354..13476, 13355..13681, 13356..13685, 13584..13682, 14243..14458, 14262..14345, 14301..14459		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o1.tc	Method	TBLASTX:Cress
Start	13364	End	13654
GI	none	Score	239
Exons	13364..13654, 13392..13652		

Seq. No.	18165	Seq. ID	OJ991216_02.0218.C24
Gene No.	38063	Strand	-
Start	12999	End	14460
Name	OJ991216_02.0218.C24.o2.tc	Method	TBLASTX:Cress
Start	14303	End	14444
GI	none	Score	177
Exons	14303..14443, 14304..14444		

Seq. No.	18166	Seq. ID	OJ991216_02.0218.C25
Gene No.	38064	Strand	-
Start	1	End	1091
Name	OJ991216_02.0218.C25.o1.np	Method	AAT/NAP
Start	1	End	1091
GI	4510389	Score	537
Exons	1..123, 174..618, 1067..1091		
GI Descrip.	(AC007017) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	18166	Seq. ID	OJ991216_02.0218.C25
Gene No.	38064	Strand	-
Start	1	End	1091
Name	OJ991216_02.0218.C25.o1.tm	Method	TBLASTX:Maize
Start	64	End	596
GI	none	Score	42
Exons	64..99, 167..592, 167..592, 213..596		

Seq. No.	18166	Seq. ID	OJ991216_02.0218.C25
Gene No.	38064	Strand	-
Start	1	End	1091
Name	OJ991216_02.0218.C25.o1.gs	Method	GENSCAN
Start	152	End	591
GI	none	Score	.54
Exons	152..591		

Seq. No.	18166	Seq. ID	OJ991216_02.0218.C25
Gene No.	38064	Strand	-
Start	1	End	1091
Name	OJ991216_02.0218.C25.o1.ts	Method	TBLASTX:Soybean
Start	167	End	364
GI	none	Score	125
Exons	167..364, 167..364		

Seq. No.	18167	Seq. ID	OJ991216_02.0218.C26
Gene No.	38065	Strand	+
Start	1	End	667
Name	OJ991216_02.0218.C26.o1.np	Method	AAT/NAP
Start	1	End	667
GI	4510389	Score	148
Exons	1..38, 502..667		
GI Descrip.	(AC007017) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	18168	Seq. ID	OJ991216_02.0218.C27
Gene No.	38066	Strand	+
Start	110	End	542
Name	OJ991216_02.0218.C27.o1.gp	Method	AAT/GAP
Start	110	End	542
GI	none	Score	702
Exons	110..542		

Seq. No.	18168	Seq. ID	OJ991216_02.0218.C27
Gene No.	38067	Strand	+
Start	502	End	731
Name	OJ991216_02.0218.C27.o1.gs	Method	GENSCAN
Start	502	End	731
GI	none	Score	.55
Exons	502..731		

Seq. No.	18168	Seq. ID	OJ991216_02.0218.C27
Gene No.	38068	Strand	-
Start	829	End	930
Name	OJ991216_02.0218.C27.o2.gp	Method	AAT/GAP
Start	829	End	930
GI	none	Score	157
Exons	829..930		

Seq. No.	18169	Seq. ID	OJ991216_02.0218.C28
Gene No.	38069	Strand	+
Start	32	End	352
Name	OJ991216_02.0218.C28.o1.gs	Method	GENSCAN
Start	32	End	352
GI	none	Score	.96

Exons	32..352		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38070	Strand	+
Start	1613	End	2572
Name	OJ991026_08.0218.C2.o2.gs	Method	GENSCAN
Start	1613	End	2572
GI	none	Score	.82
Exons	1613..2572		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38071	Strand	+
Start	12657	End	21123
Name	OJ991026_08.0218.C2.o3.np	Method	AAT/NAP
Start	12657	End	17695
GI	130582	Score	924
Exons	12657..12713, 16140..17210, 17255..17695		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38071	Strand	+
Start	12657	End	21123
Name	OJ991026_08.0218.C2.o4.gs	Method	GENSCAN
Start	15981	End	20395
GI	none	Score	.83
Exons	15981..16146, 16245..16358, 16713..16966, 17268..17481, 17978..18012, 18526..19556, 19681..20395		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38071	Strand	+
Start	12657	End	21123
Name	OJ991026_08.0218.C2.o4.np	Method	AAT/NAP
Start	16072	End	21123
GI	6729489	Score	529
Exons	16072..16115, 19190..19556, 19681..20043, 20747..21123		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38072	Strand	-
Start	1	End	4824
Name	OJ991026_08.0218.C2.o2.np	Method	AAT/NAP
Start	1	End	4824
GI	5726308	Score	18
Exons	1..24, 3733..3780, 4717..4824		
GI Descrip.	(AF142061) protein kinase JIL-1 [Drosophila melanogaster]		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38072	Strand	-
Start	1	End	4824
Name	OJ991026_08.0218.C2.o1.np	Method	AAT/NAP
Start	177	End	1599
GI	3600043	Score	33
Exons	177..423, 1572..1599		

GI Descrip. (AF080119) No definition line found [Arabidopsis thaliana]

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38073	Strand	-
Start	4742	End	4836
Name	OJ991026_08.0218.C2.o1.gp	Method	AAT/GAP
Start	4742	End	4836
GI	5867_1.R1084	Score	133
Exons	4742..4836		
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o1.tw	Method	TBLASTX:Wheat
Start	16070	End	16504
GI	none	Score	150
Exons	16070..16321, 16070..16312, 16080..16331, 16134..16313, 16306..16413, 16311..16340, 16318..16413, 16409..16504, 16410..16502, 16411..16503		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o4.tm	Method	TBLASTX:Maize
Start	16351	End	16771
GI	none	Score	53
Exons	16351..16413, 16398..16517, 16499..16771		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o2.ts	Method	TBLASTX:Soybean
Start	16398	End	16711
GI	none	Score	93
Exons	16398..16517, 16409..16516, 16507..16662, 16508..16711		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o3.tm	Method	TBLASTX:Maize
Start	16774	End	17212
GI	none	Score	85
Exons	16774..16863, 16805..16960, 16905..17207, 16924..17208, 17033..17212		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o2.tm	Method	TBLASTX:Maize
Start	17321	End	17686

GI	none	Score	239
Exons	17321..17515, 17322..17537, 17533..17634, 17539..17634, 17654..17686		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o3.ts	Method	TBLASTX:Soybean
Start	17343	End	17537
GI	none	Score	184
Exons	17343..17537, 17346..17486, 17360..17497		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o2.tw	Method	TBLASTX:Wheat
Start	18600	End	19981
GI	none	Score	69
Exons	18600..18749, 19712..19981, 19742..19876, 19756..19977		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o1.tc	Method	TBLASTX:Cress
Start	19213	End	20086
GI	none	Score	238
Exons	19213..19533, 19296..19448, 19679..19864, 19756..19836, 19859..20086, 19867..19977		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o5.tm	Method	TBLASTX:Maize
Start	19219	End	19457
GI	none	Score	135
Exons	19219..19365, 19347..19457, 19348..19455		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o3.tw	Method	TBLASTX:Wheat
Start	19279	End	19524
GI	none	Score	199
Exons	19279..19524, 19293..19448		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o1.ts	Method	TBLASTX:Soybean
Start	19366	End	19951
GI	none	Score	176
Exons	19366..19557, 19374..19514, 19676..19867, 19756..19866, 19874..19951		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213

Name	OJ991026_08.0218.C2.o1.tm	Method	TBLASTX:Maize
Start	19471	End	20923
GI	none	Score	83
Exons	19471..19560, 19679..19846, 19718..19849, 19874..19990, 20021..20086, 20021..20077, 20105..20236, 20125..20238, 20759..20839, 20867..20923		

Seq. No.	18170	Seq. ID	OJ991026_08.0218.C2
Gene No.	38074	Strand	-
Start	20700	End	23213
Name	OJ991026_08.0218.C2.o5.gs	Method	GENSCAN
Start	20700	End	23213
GI	none	Score	.65
Exons	20700..20848, 20897..20956, 21014..21124, 23026..23098, 23181..23213		

Seq. No.	18171	Seq. ID	OJ991026_08.0218.C3
Gene No.	38075	Strand	-
Start	246	End	482
Name	OJ991026_08.0218.C3.o1.gs	Method	GENSCAN
Start	246	End	482
GI	none	Score	.72
Exons	246..482		

Seq. No.	18172	Seq. ID	OJ991026_08.0218.C4
Gene No.	38076	Strand	-
Start	1	End	369
Name	OJ991026_08.0218.C4.o1.np	Method	AAT/NAP
Start	1	End	369
GI	5852180	Score	99
Exons	1..157, 342..369		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	18173	Seq. ID	OJ991026_08.0218.C5
Gene No.	38077	Strand	+
Start	67	End	697
Name	OJ991026_08.0218.C5.o1.gs	Method	GENSCAN
Start	67	End	697
GI	none	Score	.56
Exons	67..240, 562..697		

Seq. No.	18174	Seq. ID	OJ991026_08.0218.C6
Gene No.	38078	Strand	+
Start	1	End	2188
Name	OJ991026_08.0218.C6.o1.np	Method	AAT/NAP
Start	1	End	2188
GI	6815097	Score	1982
Exons	1..1402, 1544..2188		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	18174	Seq. ID	OJ991026_08.0218.C6
Gene No.	38078	Strand	+
Start	1	End	2188
Name	OJ991026_08.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	930	End	1375
GI	5509260	Score	185

Exons	930..1268, 933..1136, 1295..1375, 1296..1367		
GI Descrip.	-		
Seq. No.	18174	Seq. ID	OJ991026_08.0218.C6
Gene No.	38078	Strand	+
Start	1	End	2188
Name	OJ991026_08.0218.C6.o1.tc	Method	TBLASTX:Cress
Start	993	End	1244
GI	none	Score	184
Exons	993..1244		
Seq. No.	18174	Seq. ID	OJ991026_08.0218.C6
Gene No.	38078	Strand	+
Start	1	End	2188
Name	OJ991026_08.0218.C6.o1.tw	Method	TBLASTX:Wheat
Start	1023	End	1829
GI	none	Score	152
Exons	1023..1262, 1296..1382, 1404..1481, 1749..1829		
Seq. No.	18174	Seq. ID	OJ991026_08.0218.C6
Gene No.	38078	Strand	+
Start	1	End	2188
Name	OJ991026_08.0218.C6.o2.tm	Method	TBLASTX:Maize
Start	1032	End	1466
GI	none	Score	140
Exons	1032..1256, 1296..1466		
Seq. No.	18174	Seq. ID	OJ991026_08.0218.C6
Gene No.	38078	Strand	+
Start	1	End	2188
Name	OJ991026_08.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	1818	End	2141
GI	none	Score	359
Exons	1818..2141, 1829..2140, 1986..2141		
Seq. No.	18174	Seq. ID	OJ991026_08.0218.C6
Gene No.	38078	Strand	+
Start	1	End	2188
Name	OJ991026_08.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	1818	End	2162
GI	none	Score	103
Exons	1818..1937, 1820..1936, 1932..2162, 2000..2041		
Seq. No.	18174	Seq. ID	OJ991026_08.0218.C6
Gene No.	38078	Strand	+
Start	1	End	2188
Name	OJ991026_08.0218.C6.o2.tw	Method	TBLASTX:Wheat
Start	1908	End	2162
GI	none	Score	171
Exons	1908..2162, 1985..2134		
Seq. No.	18175	Seq. ID	OJ991026_08.0218.C7
Gene No.	38079	Strand	+
Start	1	End	653
Name	OJ991026_08.0218.C7.o1.np	Method	AAT/NAP
Start	1	End	653
GI	6561989	Score	157

Exons	1..166, 556..653		
GI Descrip.	(AL133363) putative protein [Arabidopsis thaliana]		
Seq. No.	18175	Seq. ID	OJ991026_08.0218.C7
Gene No.	38080	Strand	+
Start	1921	End	2371
Name	OJ991026_08.0218.C7.o1.gs	Method	GENSCAN
Start	1921	End	2371
GI	none	Score	.42
Exons	1921..1934, 2173..2371		
Seq. No.	18175	Seq. ID	OJ991026_08.0218.C7
Gene No.	38081	Strand	-
Start	1873	End	2331
Name	OJ991026_08.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	203
GI	none	Score	241
Exons	1..201, 3..203		
Seq. No.	18175	Seq. ID	OJ991026_08.0218.C7
Gene No.	38081	Strand	-
Start	1873	End	2331
Name	OJ991026_08.0218.C7.o2.np	Method	AAT/NAP
Start	1873	End	2331
GI	3831443	Score	88
Exons	1873..1973, 2073..2331		
GI Descrip.	(AC005819) putative auxin-regulated protein [Arabidopsis thaliana]		
Seq. No.	18176	Seq. ID	OJ991026_08.0218.C8
Gene No.	38082	Strand	+
Start	23	End	818
Name	OJ991026_08.0218.C8.o1.gs	Method	GENSCAN
Start	23	End	818
GI	none	Score	.68
Exons	23..75, 142..421, 663..818		
Seq. No.	18176	Seq. ID	OJ991026_08.0218.C8
Gene No.	38083	Strand	-
Start	1036	End	2632
Name	OJ991026_08.0218.C8.o2.gs	Method	GENSCAN
Start	1036	End	2632
GI	none	Score	.58
Exons	1036..1112, 1398..1709, 2481..2632		
Seq. No.	18177	Seq. ID	OJ991026_08.0218.C9
Gene No.	38084	Strand	-
Start	644	End	884
Name	OJ991026_08.0218.C9.o1.gs	Method	GENSCAN
Start	644	End	884
GI	none	Score	.62
Exons	644..798, 803..884		
Seq. No.	18178	Seq. ID	OJ991026_08.0218.C10
Gene No.	38085	Strand	+
Start	191	End	544
Name	OJ991026_08.0218.C10.o1.gs	Method	GENSCAN

Start	191	End	544
GI	none	Score	.73
Exons	191..544		

Seq. No.	18179	Seq. ID	OJ991026_08.0218.C12
Gene No.	38086	Strand	+
Start	1	End	654
Name	OJ991026_08.0218.C12.o1.np	Method	AAT/NAP
Start	1	End	654
GI	100484	Score	449
Exons	1..654		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	18179	Seq. ID	OJ991026_08.0218.C12
Gene No.	38086	Strand	+
Start	1	End	654
Name	OJ991026_08.0218.C12.o1.ts	Method	TBLASTX:Soybean
Start	2	End	230
GI	none	Score	212
Exons	2..157, 3..230, 21..221		

Seq. No.	18179	Seq. ID	OJ991026_08.0218.C12
Gene No.	38086	Strand	+
Start	1	End	654
Name	OJ991026_08.0218.C12.o1.tm	Method	TBLASTX:Maize
Start	150	End	530
GI	none	Score	219
Exons	150..296, 306..530, 378..521		

Seq. No.	18179	Seq. ID	OJ991026_08.0218.C12
Gene No.	38086	Strand	+
Start	1	End	654
Name	OJ991026_08.0218.C12.o1.tw	Method	TBLASTX:Wheat
Start	319	End	545
GI	none	Score	70
Exons	319..432, 341..457, 342..461, 342..458, 462..545, 473..514		

Seq. No.	18180	Seq. ID	OJ991026_08.0218.C13
Gene No.	38087	Strand	-
Start	1	End	992
Name	OJ991026_08.0218.C13.o1.np	Method	AAT/NAP
Start	1	End	992
GI	6815097	Score	950
Exons	1..338, 453..992		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	18180	Seq. ID	OJ991026_08.0218.C13
Gene No.	38087	Strand	-
Start	1	End	992
Name	OJ991026_08.0218.C13.o1.gs	Method	GENSCAN
Start	48	End	977
GI	none	Score	.78
Exons	48..354, 457..977		

Seq. No.	18181	Seq. ID	OJ991026_08.0218.C16
Gene No.	38088	Strand	+

Start	2519	End	6759
Name	OJ991026_08.0218.C16.o1.gp	Method	AAT/GAP
Start	2519	End	6153
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	2519..2542, 6089..6153		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18181	Seq. ID	OJ991026_08.0218.C16
Gene No.	38088	Strand	+
Start	2519	End	6759
Name	OJ991026_08.0218.C16.o1.gs	Method	GENSCAN
Start	2776	End	6759
GI	none	Score	.42
Exons	2776..2844, 2953..3107, 5126..5289, 6396..6759		

Seq. No.	18182	Seq. ID	OJ991026_08.0218.C17
Gene No.	38089	Strand	-
Start	291	End	1144
Name	OJ991026_08.0218.C17.o1.np	Method	AAT/NAP
Start	206	End	1144
GI	4104060	Score	229
Exons	206..289, 395..435, 689..1144		
GI Descrip.	(AF031231) S222 [Triticum aestivum]		

Seq. No.	18182	Seq. ID	OJ991026_08.0218.C17
Gene No.	38089	Strand	-
Start	291	End	1144
Name	OJ991026_08.0218.C17.o1.gs	Method	GENSCAN
Start	291	End	1098
GI	none	Score	.69
Exons	291..435, 893..1098		

Seq. No.	18182	Seq. ID	OJ991026_08.0218.C17
Gene No.	38089	Strand	-
Start	291	End	1144
Name	OJ991026_08.0218.C17.o1.tm	Method	TBLASTX:Maize
Start	688	End	1096
GI	none	Score	56
Exons	688..729, 690..722, 690..740, 692..730, 771..857, 776..856, 851..934, 931..1095, 938..1096		

Seq. No.	18183	Seq. ID	OJ991026_08.0218.C18
Gene No.	38090	Strand	-
Start	1	End	742
Name	OJ991026_08.0218.C18.o1.np	Method	AAT/NAP
Start	1	End	742
GI	4104060	Score	157
Exons	1..132, 231..270, 658..742		
GI Descrip.	(AF031231) S222 [Triticum aestivum]		

Seq. No.	18183	Seq. ID	OJ991026_08.0218.C18
Gene No.	38090	Strand	-
Start	1	End	742
Name	OJ991026_08.0218.C18.o1.tc	Method	TBLASTX:Cress
Start	2	End	137

GI	none	Score	126
Exons	2..133, 3..134, 6..137		

Seq. No.	18183	Seq. ID	OJ991026_08.0218.C18
Gene No.	38090	Strand	-
Start	1	End	742
Name	OJ991026_08.0218.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	282
GI	none	Score	137
Exons	2..127, 3..128, 247..282		

Seq. No.	18183	Seq. ID	OJ991026_08.0218.C18
Gene No.	38090	Strand	-
Start	1	End	742
Name	OJ991026_08.0218.C18.o1.gs	Method	GENSCAN
Start	46	End	272
GI	none	Score	.56
Exons	46..132, 231..272		

Seq. No.	18184	Seq. ID	OJ991026_08.0218.C19
Gene No.	38091	Strand	+
Start	148	End	283
Name	OJ991026_08.0218.C19.o1.gs	Method	GENSCAN
Start	148	End	283
GI	none	Score	.77
Exons	148..283		

Seq. No.	18184	Seq. ID	OJ991026_08.0218.C19
Gene No.	38092	Strand	-
Start	796	End	1361
Name	OJ991026_08.0218.C19.o2.gs	Method	GENSCAN
Start	796	End	1361
GI	none	Score	.86
Exons	796..819, 1293..1361		

Seq. No.	18185	Seq. ID	OJ991026_08.0218.C20
Gene No.	38093	Strand	+
Start	533	End	2629
Name	OJ991026_08.0218.C20.o1.gs	Method	GENSCAN
Start	533	End	2629
GI	none	Score	.66
Exons	533..703, 927..1014, 2270..2629		

Seq. No.	18185	Seq. ID	OJ991026_08.0218.C20
Gene No.	38094	Strand	+
Start	4241	End	4913
Name	OJ991026_08.0218.C20.o1.gp	Method	AAT/GAP
Start	4241	End	4913
GI	none	Score	1292
Exons	4241..4913		

Seq. No.	18185	Seq. ID	OJ991026_08.0218.C20
Gene No.	38095	Strand	+
Start	9841	End	10252
Name	OJ991026_08.0218.C20.o1.np	Method	AAT/NAP
Start	9841	End	10252
GI	4680203	Score	377

Exons	9841..10252		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	18185	Seq. ID	OJ991026_08.0218.C20
Gene No.	38096	Strand	-
Start	3812	End	10198
Name	OJ991026_08.0218.C20.o2.gs	Method	GENSCAN
Start	3812	End	10007
GI	none	Score	.53
Exons	3812..3988, 4017..4121, 4489..4589, 7496..7781, 8109..8197, 8272..8702, 9840..10007		
Seq. No.	18185	Seq. ID	OJ991026_08.0218.C20
Gene No.	38096	Strand	-
Start	3812	End	10198
Name	OJ991026_08.0218.C20.o2.gp	Method	AAT/GAP
Start	5099	End	5606
GI	none	Score	988
Exons	5099..5606		
Seq. No.	18185	Seq. ID	OJ991026_08.0218.C20
Gene No.	38096	Strand	-
Start	3812	End	10198
Name	OJ991026_08.0218.C20.o3.gp	Method	AAT/GAP
Start	7664	End	8558
GI	none	Score	1555
Exons	7664..7975, 8066..8558		
Seq. No.	18185	Seq. ID	OJ991026_08.0218.C20
Gene No.	38096	Strand	-
Start	3812	End	10198
Name	OJ991026_08.0218.C20.o1.tw	Method	TBLASTX:Wheat
Start	9841	End	10198
GI	none	Score	71
Exons	9841..9903, 9845..9904, 9883..10023, 9884..10012, 9914..10030, 9952..10032, 10036..10101, 10037..10117, 10106..10198, 10110..10181, 10132..10197		
Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38097	Strand	+
Start	655	End	5220
Name	OJ991026_08.0218.C21.o1.gs	Method	GENSCAN
Start	655	End	5220
GI	none	Score	.87
Exons	655..5220		
Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38097	Strand	+
Start	655	End	5220
Name	OJ991026_08.0218.C21.o1.np	Method	AAT/NAP
Start	655	End	5217
GI	4680179	Score	7837
Exons	655..5217		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38098	Strand	+

Start	8883	End	9409
Name	OJ991026_08.0218.C21.o3.gs	Method	GENSCAN
Start	8883	End	9384
GI	none	Score	.47
Exons	8883..9384		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38098	Strand	+
Start	8883	End	9409
Name	OJ991026_08.0218.C21.o4.np	Method	AAT/NAP
Start	8949	End	9409
GI	5042448	Score	749
Exons	8949..9409		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38099	Strand	-
Start	3576	End	6760
Name	OJ991026_08.0218.C21.o2.np	Method	AAT/NAP
Start	3576	End	6760
GI	119110	Score	239
Exons	3576..3598, 5488..6175, 6347..6760		
GI Descrip.	EBNA-1 NUCLEAR PROTEIN gi\|73987\|pir\|\|QQBE31 probable nuclear antigen - human herpesvirus 4 (strain B95-8) gi\|1334880\|emb\|CAA24816.1\| (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38099	Strand	-
Start	3576	End	6760
Name	OJ991026_08.0218.C21.o2.gs	Method	GENSCAN
Start	6088	End	6522
GI	none	Score	.99
Exons	6088..6522		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o7.tw	Method	TBLASTX:Wheat
Start	922	End	1281
GI	none	Score	308
Exons	922..1281, 925..1281		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o6.tm	Method	TBLASTX:Maize
Start	1162	End	1458
GI	none	Score	210
Exons	1162..1458, 1162..1446, 1179..1349		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o8.tm	Method	TBLASTX:Maize
Start	1798	End	2118

GI	none	Score	193
Exons	1798..2118, 1851..1943		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o8.tw	Method	TBLASTX:Wheat
Start	1801	End	2223
GI	none	Score	156
Exons	1801..2010, 1804..1917, 1851..1949, 2010..2150, 2032..2223, 2061..2216		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o4.tw	Method	TBLASTX:Wheat
Start	2380	End	2862
GI	none	Score	550
Exons	2380..2862, 2484..2819, 2509..2853		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o5.tm	Method	TBLASTX:Maize
Start	2392	End	2681
GI	none	Score	322
Exons	2392..2679, 2490..2681		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o4.ts	Method	TBLASTX:Soybean
Start	2416	End	2730
GI	none	Score	183
Exons	2416..2730, 2532..2729		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o3.tm	Method	TBLASTX:Maize
Start	2749	End	3249
GI	none	Score	156
Exons	2749..2928, 2914..3249, 3001..3240		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o1.ts	Method	TBLASTX:Soybean
Start	2803	End	3198
GI	none	Score	57
Exons	2803..2835, 2803..2847, 2839..3198, 2839..2919, 2934..3197		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o5.tw	Method	TBLASTX:Wheat
Start	2911	End	3212

GI	none	Score	391
Exons	2911..3207, 2912..3013, 2931..3212		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o2.tw	Method	TBLASTX:Wheat
Start	3213	End	3723
GI	none	Score	66
Exons	3213..3398, 3214..3723, 3246..3557, 3292..3639, 3600..3722		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o3.ts	Method	TBLASTX:Soybean
Start	3220	End	3465
GI	none	Score	204
Exons	3220..3465		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o2.tm	Method	TBLASTX:Maize
Start	3286	End	3651
GI	none	Score	488
Exons	3286..3639, 3288..3554, 3289..3651		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o3.tw	Method	TBLASTX:Wheat
Start	3727	End	4206
GI	none	Score	590
Exons	3727..4206, 3760..4173, 3798..4205		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o1.tc	Method	TBLASTX:Cress
Start	3913	End	4230
GI	none	Score	89
Exons	3913..4086, 4087..4230, 4089..4229		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o2.ts	Method	TBLASTX:Soybean
Start	3994	End	4254
GI	none	Score	299
Exons	3994..4254, 3999..4253		

Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o4.tm	Method	TBLASTX:Maize
Start	4053	End	4344
GI	none	Score	389

Exons	4053..4340, 4054..4344		
Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o1.tw	Method	TBLASTX:Wheat
Start	4213	End	4839
GI	none	Score	728
Exons	4213..4839, 4215..4838		
Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o1.tm	Method	TBLASTX:Maize
Start	4393	End	4992
GI	none	Score	226
Exons	4393..4554, 4401..4547, 4552..4992, 4554..4979		
Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o6.tw	Method	TBLASTX:Wheat
Start	4840	End	5172
GI	none	Score	374
Exons	4840..5172, 4867..4947, 4932..5171		
Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o7.tm	Method	TBLASTX:Maize
Start	4996	End	5193
GI	none	Score	197
Exons	4996..5193		
Seq. No.	18186	Seq. ID	OJ991026_08.0218.C21
Gene No.	38100	Strand	-
Start	7414	End	8179
Name	OJ991026_08.0218.C21.o3.np	Method	AAT/NAP
Start	7414	End	8179
GI	4680183	Score	181
Exons	7414..7503, 8109..8179		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	18187	Seq. ID	OJ991026_08.0218.C22
Gene No.	38101	Strand	+
Start	84	End	303
Name	OJ991026_08.0218.C22.o1.gp	Method	AAT/GAP
Start	84	End	303
GI	LIB3477-003-P1-K1-E9	Score	120
Exons	84..153, 277..303		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	18187	Seq. ID	OJ991026_08.0218.C22
Gene No.	38102	Strand	+
Start	7027	End	9898

Name	OJ991026_08.0218.C22.o2.gs	Method	GENSCAN
Start	7027	End	9898
GI	none	Score	.65
Exons	7027..7158, 7811..7968, 9319..9411, 9838..9898		

Seq. No.	18187	Seq. ID	OJ991026_08.0218.C22
Gene No.	38103	Strand	-
Start	10320	End	10893
Name	OJ991026_08.0218.C22.o3.gs	Method	GENSCAN
Start	10320	End	10893
GI	none	Score	.95
Exons	10320..10540, 10545..10893		

Seq. No.	18188	Seq. ID	OJ991026_08.0218.C23
Gene No.	38104	Strand	+
Start	1492	End	1595
Name	OJ991026_08.0218.C23.o1.gs	Method	GENSCAN
Start	1492	End	1595
GI	none	Score	.91
Exons	1492..1595		

Seq. No.	18188	Seq. ID	OJ991026_08.0218.C23
Gene No.	38105	Strand	
Start	2681	End	2986
Name	OJ991026_08.0218.C23.o1.tm	Method	TBLASTX:Maize
Start	2681	End	2986
GI	none	Score	217
Exons	2681..2986		

Seq. No.	18189	Seq. ID	OJ991026_08.0218.C24
Gene No.	38106	Strand	-
Start	2158	End	4975
Name	OJ991026_08.0218.C24.o1.tw	Method	TBLASTX:Wheat
Start	527	End	755
GI	none	Score	37
Exons	527..559, 554..745, 572..745, 591..755		

Seq. No.	18189	Seq. ID	OJ991026_08.0218.C24
Gene No.	38106	Strand	-
Start	2158	End	4975
Name	OJ991026_08.0218.C24.o1.np	Method	AAT/NAP
Start	2099	End	4567
GI	5922620	Score	117
Exons	2099..2117, 4210..4364, 4524..4567		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18189	Seq. ID	OJ991026_08.0218.C24
Gene No.	38106	Strand	-
Start	2158	End	4975
Name	OJ991026_08.0218.C24.o2.gs	Method	GENSCAN
Start	2158	End	4975
GI	none	Score	.61
Exons	2158..2699, 3620..3742, 4187..4211, 4256..4384, 4850..4975		

Seq. No.	18190	Seq. ID	OJ991026_08.0218.C25
Gene No.	38107	Strand	+
Start	1426	End	4744
Name	OJ991026_08.0218.C25.o1.gs	Method	GENSCAN
Start	1426	End	4744
GI	none	Score	.84
Exons	1426..2362, 2449..2577, 3308..3457, 3636..4165, 4214..4744		

Seq. No.	18190	Seq. ID	OJ991026_08.0218.C25
Gene No.	38107	Strand	+
Start	1426	End	4744
Name	OJ991026_08.0218.C25.o1.np	Method	AAT/NAP
Start	1439	End	4618
GI	6665543	Score	737
Exons	1439..2362, 3308..3391, 3570..4618		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	18190	Seq. ID	OJ991026_08.0218.C25
Gene No.	38108	Strand	-
Start	7063	End	7992
Name	OJ991026_08.0218.C25.o1.tc	Method	TBLASTX:Cress
Start	1528	End	4627
GI	none	Score	98
Exons	1528..1608, 2299..2358, 3692..3868, 3715..3804, 3847..3867, 3878..4066, 3880..4050, 3914..4066, 4081..4386, 4082..4402, 4169..4390, 4517..4627		

Seq. No.	18190	Seq. ID	OJ991026_08.0218.C25
Gene No.	38108	Strand	-
Start	7063	End	7992
Name	OJ991026_08.0218.C25.o1.tm	Method	TBLASTX:Maize
Start	3698	End	4630
GI	none	Score	73
Exons	3698..3913, 3877..4050, 3878..4084, 4088..4405, 4105..4404, 4505..4630		

Seq. No.	18190	Seq. ID	OJ991026_08.0218.C25
Gene No.	38108	Strand	-
Start	7063	End	7992
Name	OJ991026_08.0218.C25.o1.ts	Method	TBLASTX:Soybean
Start	3719	End	4429
GI	none	Score	68
Exons	3719..3868, 3908..4066, 3925..4050, 4070..4429, 4090..4407		

Seq. No.	18190	Seq. ID	OJ991026_08.0218.C25
Gene No.	38108	Strand	-
Start	7063	End	7992
Name	OJ991026_08.0218.C25.o1.tw	Method	TBLASTX:Wheat
Start	3721	End	4141
GI	none	Score	73
Exons	3721..3858, 3725..3871, 3745..3864, 3848..4075, 3869..4078, 3871..4077, 4082..4141, 4090..4140		

Seq. No.	18190	Seq. ID	OJ991026_08.0218.C25
Gene No.	38108	Strand	-
Start	7063	End	7992

Name	OJ991026_08.0218.C25.o2.tw	Method	TBLASTX:Wheat
Start	4142	End	4407
GI	none	Score	140
Exons	4142..4273, 4144..4290, 4273..4407, 4274..4405		

Seq. No.	18190	Seq. ID	OJ991026_08.0218.C25
Gene No.	38108	Strand	-
Start	7063	End	7992
Name	OJ991026_08.0218.C25.o2.gs	Method	GENSCAN
Start	7063	End	7933
GI	none	Score	.92
Exons	7063..7175, 7697..7850, 7880..7933		

Seq. No.	18190	Seq. ID	OJ991026_08.0218.C25
Gene No.	38108	Strand	-
Start	7063	End	7992
Name	OJ991026_08.0218.C25.o1.gp	Method	AAT/GAP
Start	7536	End	7992
GI	2428965	Score	846
Exons	7536..7992		

Seq. No.	18191	Seq. ID	OJ991026_08.0218.C26
Gene No.	38109	Strand	-
Start	3533	End	12039
Name	OJ991026_08.0218.C26.o1.np	Method	AAT/NAP
Start	3533	End	6322
GI	5545339	Score	490
Exons	3533..3691, 4389..4920, 5940..6322		
GI Descrip.	(AB030083) lectin-like protein kinase [Populus nigra]		

Seq. No.	18191	Seq. ID	OJ991026_08.0218.C26
Gene No.	38109	Strand	-
Start	3533	End	12039
Name	OJ991026_08.0218.C26.o2.tm	Method	TBLASTX:Maize
Start	3740	End	3975
GI	none	Score	100
Exons	3740..3820, 3743..3820, 3847..3972, 3848..3973, 3849..3974, 3850..3975		

Seq. No.	18191	Seq. ID	OJ991026_08.0218.C26
Gene No.	38109	Strand	-
Start	3533	End	12039
Name	OJ991026_08.0218.C26.o2.np	Method	AAT/NAP
Start	4222	End	12039
GI	5734709	Score	430
Exons	4222..4920, 5940..6775, 10308..10366, 11758..12039		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	18191	Seq. ID	OJ991026_08.0218.C26
Gene No.	38109	Strand	-
Start	3533	End	12039
Name	OJ991026_08.0218.C26.o1.tm	Method	TBLASTX:Maize
Start	4371	End	6025
GI	none	Score	97
Exons	4371..4493, 4515..4580, 4611..4727, 4733..4882, 4752..4943, 4756..4923, 5939..6025		

Seq. No.	18191	Seq. ID	OJ991026_08.0218.C26
Gene No.	38109	Strand	-
Start	3533	End	12039
Name	OJ991026_08.0218.C26.o1.tc	Method	TBLASTX:Cress
Start	4395	End	6304
GI	none	Score	68
Exons	4395..4484, 4512..4742, 4621..4734, 4758..4922, 4759..4917, 5963..6124, 6197..6304		

Seq. No.	18191	Seq. ID	OJ991026_08.0218.C26
Gene No.	38109	Strand	-
Start	3533	End	12039
Name	OJ991026_08.0218.C26.o1.ts	Method	TBLASTX:Soybean
Start	4515	End	4920
GI	none	Score	82
Exons	4515..4604, 4620..4733, 4621..4743, 4764..4919, 4765..4920		

Seq. No.	18191	Seq. ID	OJ991026_08.0218.C26
Gene No.	38109	Strand	-
Start	3533	End	12039
Name	OJ991026_08.0218.C26.o1.tw	Method	TBLASTX:Wheat
Start	4545	End	4889
GI	none	Score	110
Exons	4545..4889, 4633..4851		

Seq. No.	18191	Seq. ID	OJ991026_08.0218.C26
Gene No.	38109	Strand	-
Start	3533	End	12039
Name	OJ991026_08.0218.C26.o2.ts	Method	TBLASTX:Soybean
Start	5972	End	6307
GI	4305062	Score	103
Exons	5972..6112, 6197..6307		
GI Descrip.	2129735/pir__S68589 6.0e-24 serine/threonine-specific kinase (EC 2.7.1.-) precursor - Arabidopsis thaliana >gi_1405837_emb_CAA62824_ (X91630) receptor-like kinase [Arabidopsis thaliana] >gi_2150023 (AF001168) receptor-like kinase LECRK1 [Arabidopsis thaliana]		

Seq. No.	18192	Seq. ID	OJ991026_08.0218.C27
Gene No.	38110	Strand	-
Start	358	End	491
Name	OJ991026_08.0218.C27.o1.gs	Method	GENSCAN
Start	358	End	491
GI	none	Score	.72
Exons	358..491		

Seq. No.	18193	Seq. ID	OJ991026_08.0218.C28
Gene No.	38111	Strand	-
Start	1	End	877
Name	OJ991026_08.0218.C28.o1.np	Method	AAT/NAP
Start	1	End	877
GI	4455192	Score	403
Exons	1..34, 319..877		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	18193	Seq. ID	OJ991026_08.0218.C28

Gene No.	38111	Strand	-
Start	1	End	877
Name	OJ991026_08.0218.C28.o1.ts	Method	TBLASTX:Soybean
Start	321	End	618
GI	none	Score	148
Exons	321..611, 334..618, 335..517, 349..393, 554..595		

Seq. No.	18193	Seq. ID	OJ991026_08.0218.C28
Gene No.	38111	Strand	-
Start	1	End	877
Name	OJ991026_08.0218.C28.o1.gs	Method	GENSCAN
Start	336	End	801
GI	none	Score	.5
Exons	336..801		

Seq. No.	18193	Seq. ID	OJ991026_08.0218.C28
Gene No.	38111	Strand	-
Start	1	End	877
Name	OJ991026_08.0218.C28.o1.tm	Method	TBLASTX:Maize
Start	344	End	762
GI	none	Score	181
Exons	344..658, 346..762, 347..595, 352..759		

Seq. No.	18193	Seq. ID	OJ991026_08.0218.C28
Gene No.	38111	Strand	-
Start	1	End	877
Name	OJ991026_08.0218.C28.o1.tc	Method	TBLASTX:Cress
Start	382	End	687
GI	none	Score	81
Exons	382..687, 383..517, 436..687		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38112	Strand	+
Start	2796	End	12544
Name	OJ991026_08.0218.C29.o2.gs	Method	GENSCAN
Start	2796	End	12313
GI	none	Score	.48
Exons	2796..2951, 4620..4658, 5665..5942, 5975..6106, 7127..7176, 7745..9067, 10106..11184, 11394..11583, 11602..11702, 12210..12313		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38112	Strand	+
Start	2796	End	12544
Name	OJ991026_08.0218.C29.o2.np	Method	AAT/NAP
Start	7861	End	12544
GI	6056391	Score	1957
Exons	7861..8376, 8460..8859, 8964..10545, 10600..12306, 12444..12544		
GI Descrip.	(AC009324) Similar to retrotransposon proteins [Arabidopsis thaliana]		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38113	Strand	-
Start	386	End	1822
Name	OJ991026_08.0218.C29.o1.gs	Method	GENSCAN
Start	386	End	1094
GI	none	Score	.83

Exons	386..670, 953..1094		
Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38113	Strand	-
Start	386	End	1822
Name	OJ991026_08.0218.C29.o1.np	Method	AAT/NAP
Start	386	End	1822
GI	4455192	Score	188
Exons	386..673, 1798..1822		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		
Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38113	Strand	-
Start	386	End	1822
Name	OJ991026_08.0218.C29.o3.tc	Method	TBLASTX:Cress
Start	390	End	672
GI	none	Score	83
Exons	390..572, 471..572, 576..671, 589..672		
Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38113	Strand	-
Start	386	End	1822
Name	OJ991026_08.0218.C29.o9.tm	Method	TBLASTX:Maize
Start	474	End	693
GI	none	Score	75
Exons	474..593, 493..588, 590..625, 594..674, 610..693		
Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o4.tw	Method	TBLASTX:Wheat
Start	2095	End	9555
GI	none	Score	56
Exons	2095..2148, 9106..9291, 9145..9288, 9367..9408, 9439..9555, 9441..9554		
Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o3.tw	Method	TBLASTX:Wheat
Start	5578	End	10235
GI	none	Score	218
Exons	5578..5637, 9877..10104, 9879..9992, 10017..10103, 10126..10197, 10128..10235		
Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o4.ts	Method	TBLASTX:Soybean
Start	5658	End	6065
GI	none	Score	114
Exons	5658..5750, 5713..5823, 5727..5822, 5849..5941, 5860..5940, 5949..6065		
Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235

Name	OJ991026_08.0218.C29.o5.tc	Method	TBLASTX:Cress
Start	5713	End	6140
GI	none	Score	122
Exons	5713..5847, 5855..5941, 5988..6140		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o7.tm	Method	TBLASTX:Maize
Start	5725	End	5941
GI	none	Score	157
Exons	5725..5844, 5726..5827, 5727..5846, 5855..5941, 5855..5938, 5860..5940		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o10.tm	Method	TBLASTX:Maize
Start	8131	End	8433
GI	none	Score	193
Exons	8131..8433		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o6.tm	Method	TBLASTX:Maize
Start	9127	End	9456
GI	none	Score	204
Exons	9127..9288, 9130..9309, 9349..9456		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o4.tc	Method	TBLASTX:Cress
Start	9358	End	9651
GI	none	Score	188
Exons	9358..9561, 9565..9651		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o5.ts	Method	TBLASTX:Soybean
Start	9358	End	9756
GI	none	Score	63
Exons	9358..9438, 9415..9561, 9565..9756		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o8.tm	Method	TBLASTX:Maize
Start	9460	End	9744
GI	none	Score	171
Exons	9460..9627, 9462..9584, 9640..9744		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235

Name	OJ991026_08.0218.C29.o3.tm	Method	TBLASTX:Maize
Start	9745	End	10190
GI	none	Score	91
Exons	9745..9846, 9823..10104, 9849..10103, 10126..10188, 10128..10190		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o1.tc	Method	TBLASTX:Cress
Start	9793	End	10197
GI	none	Score	217
Exons	9793..10128, 10129..10197		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38114	Strand	
Start	2095	End	10235
Name	OJ991026_08.0218.C29.o3.ts	Method	TBLASTX:Soybean
Start	9805	End	10197
GI	none	Score	190
Exons	9805..10104, 10129..10197		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38115	Strand	
Start	10768	End	11468
Name	OJ991026_08.0218.C29.o2.ts	Method	TBLASTX:Soybean
Start	10768	End	11262
GI	5509260	Score	405
Exons	10768..11262, 11091..11246		
GI Descrip.	-		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38115	Strand	
Start	10768	End	11468
Name	OJ991026_08.0218.C29.o5.tm	Method	TBLASTX:Maize
Start	10812	End	11058
GI	none	Score	256
Exons	10812..10964, 10813..11058, 10816..11028		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38115	Strand	
Start	10768	End	11468
Name	OJ991026_08.0218.C29.o2.tc	Method	TBLASTX:Cress
Start	10876	End	11151
GI	none	Score	240
Exons	10876..11151, 10897..11139		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38115	Strand	
Start	10768	End	11468
Name	OJ991026_08.0218.C29.o2.tw	Method	TBLASTX:Wheat
Start	10933	End	11444
GI	none	Score	304
Exons	10933..11277, 10950..11324, 11337..11444, 11342..11443		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38115	Strand	
Start	10768	End	11468

Name	OJ991026_08.0218.C29.o2.tm	Method	TBLASTX:Maize
Start	11064	End	11468
GI	none	Score	333
Exons	11064..11252, 11065..11337, 11337..11468, 11348..11464		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38116	Strand	
Start	11445	End	12302
Name	OJ991026_08.0218.C29.o1.tw	Method	TBLASTX:Wheat
Start	11445	End	11877
GI	none	Score	159
Exons	11445..11618, 11453..11617, 11616..11876, 11628..11849, 11675..11875, 11833..11877		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38116	Strand	
Start	11445	End	12302
Name	OJ991026_08.0218.C29.o1.tm	Method	TBLASTX:Maize
Start	11480	End	11930
GI	none	Score	483
Exons	11480..11794, 11481..11930, 11849..11929		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38116	Strand	
Start	11445	End	12302
Name	OJ991026_08.0218.C29.o1.ts	Method	TBLASTX:Soybean
Start	11640	End	12299
GI	none	Score	499
Exons	11640..12299, 11675..11758, 11849..11989, 12065..12163		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38116	Strand	
Start	11445	End	12302
Name	OJ991026_08.0218.C29.o4.tm	Method	TBLASTX:Maize
Start	11933	End	12271
GI	none	Score	307
Exons	11933..11992, 11934..12239, 12035..12238, 12251..12271		

Seq. No.	18194	Seq. ID	OJ991026_08.0218.C29
Gene No.	38116	Strand	
Start	11445	End	12302
Name	OJ991026_08.0218.C29.o5.tw	Method	TBLASTX:Wheat
Start	12101	End	12302
GI	none	Score	194
Exons	12101..12277, 12102..12302		

Seq. No.	18195	Seq. ID	OJ991116_02.0215.C2
Gene No.	38117	Strand	-
Start	527	End	591
Name	OJ991116_02.0215.C2.o1.gs	Method	GENSCAN
Start	527	End	591
GI	none	Score	.52
Exons	527..591		

Seq. No.	18196	Seq. ID	OJ991116_02.0215.C3
Gene No.	38118	Strand	+
Start	79	End	360

Name	OJ991116_02.0215.C3.o1.gs	Method	GENSCAN
Start	79	End	360
GI	none	Score	.95
Exons	79..360		

Seq. No.	18197	Seq. ID	OJ991116_02.0215.C5
Gene No.	38119	Strand	+
Start	657	End	5452
Name	OJ991116_02.0215.C5.o1.gs	Method	GENSCAN
Start	657	End	5433
GI	none	Score	.73
Exons	657..768, 2085..2155, 2196..2506, 2614..2769, 3478..3541, 3829..4038, 4769..4957, 5135..5433		

Seq. No.	18197	Seq. ID	OJ991116_02.0215.C5
Gene No.	38119	Strand	+
Start	657	End	5452
Name	OJ991116_02.0215.C5.o1.np	Method	AAT/NAP
Start	2600	End	5452
GI	6573289	Score	384
Exons	2600..2769, 3478..3541, 3829..4053, 4471..4598, 5084..5452		
GI Descrip.	(AB008023) RXW8 [Arabidopsis thaliana]		

Seq. No.	18197	Seq. ID	OJ991116_02.0215.C5
Gene No.	38119	Strand	+
Start	657	End	5452
Name	OJ991116_02.0215.C5.o1.tc	Method	TBLASTX:Cress
Start	3838	End	5440
GI	none	Score	202
Exons	3838..4038, 3873..4034, 5134..5433, 5135..5302, 5369..5440		

Seq. No.	18198	Seq. ID	OJ991116_02.0215.C6
Gene No.	38120	Strand	+
Start	1	End	2315
Name	OJ991116_02.0215.C6.o1.np	Method	AAT/NAP
Start	1	End	2082
GI	1076334	Score	634
Exons	1..101, 295..567, 1566..1799, 1957..2082		
GI Descrip.	hypothetical protein HYP1 - Arabidopsis thaliana gi\|499168\|emb\|CAA56145\| (X79707) HYP1 [Arabidopsis thaliana]		

Seq. No.	18198	Seq. ID	OJ991116_02.0215.C6
Gene No.	38120	Strand	+
Start	1	End	2315
Name	OJ991116_02.0215.C6.o1.tc	Method	TBLASTX:Cress
Start	3	End	2315
GI	none	Score	77
Exons	3..74, 3..101, 268..327, 414..563, 415..570, 1551..1682, 1563..1703, 1565..1780, 1586..1795, 1743..1805, 1954..2067, 2152..2205, 2235..2315		

Seq. No.	18198	Seq. ID	OJ991116_02.0215.C6
Gene No.	38120	Strand	+
Start	1	End	2315
Name	OJ991116_02.0215.C6.o2.tm	Method	TBLASTX:Maize
Start	3	End	493
GI	none	Score	93

Exons	3..77, 3..101, 271..492, 292..492, 293..493		
Seq. No.	18198	Seq. ID	OJ991116_02.0215.C6
Gene No.	38120	Strand	+
Start	1	End	2315
Name	OJ991116_02.0215.C6.o1.gs	Method	GENSCAN
Start	10	End	2106
GI	none	Score	.77
Exons	10..101, 390..567, 1590..1799, 1957..2106		
Seq. No.	18198	Seq. ID	OJ991116_02.0215.C6
Gene No.	38120	Strand	+
Start	1	End	2315
Name	OJ991116_02.0215.C6.o1.ts	Method	TBLASTX:Soybean
Start	405	End	1756
GI	none	Score	214
Exons	405..569, 412..570, 430..597, 1551..1682, 1565..1756		
Seq. No.	18198	Seq. ID	OJ991116_02.0215.C6
Gene No.	38120	Strand	+
Start	1	End	2315
Name	OJ991116_02.0215.C6.o1.tm	Method	TBLASTX:Maize
Start	1547	End	2105
GI	none	Score	229
Exons	1547..1795, 1547..1798, 1564..1806, 1954..2103, 1956..2093, 1960..2100, 2001..2105		
Seq. No.	18199	Seq. ID	OJ991116_02.0215.C7
Gene No.	38121	Strand	+
Start	2004	End	3352
Name	OJ991116_02.0215.C7.o1.gs	Method	GENSCAN
Start	2004	End	3211
GI	none	Score	.85
Exons	2004..2581, 2596..3211		
Seq. No.	18199	Seq. ID	OJ991116_02.0215.C7
Gene No.	38121	Strand	+
Start	2004	End	3352
Name	OJ991116_02.0215.C7.o1.np	Method	AAT/NAP
Start	2135	End	3352
GI	2281647	Score	238
Exons	2135..2382, 2449..2791, 2840..3008, 3327..3352		
GI Descrip.	(AF003104) AP2 domain containing protein RAP2.11 [Arabidopsis thaliana]		
Seq. No.	18199	Seq. ID	OJ991116_02.0215.C7
Gene No.	38122	Strand	-
Start	4288	End	7519
Name	OJ991116_02.0215.C7.o2.tm	Method	TBLASTX:Maize
Start	2199	End	2309
GI	none	Score	182
Exons	2199..2309, 2201..2308		
Seq. No.	18199	Seq. ID	OJ991116_02.0215.C7
Gene No.	38122	Strand	-
Start	4288	End	7519
Name	OJ991116_02.0215.C7.o2.ts	Method	TBLASTX:Soybean

Start	2199	End	2384
GI	none	Score	247
Exons	2199..2384, 2204..2383		

Seq. No.	18199	Seq. ID	OJ991116_02.0215.C7
Gene No.	38122	Strand	-
Start	4288	End	7519
Name	OJ991116_02.0215.C7.o2.tc	Method	TBLASTX:Cress
Start	2204	End	2380
GI	none	Score	204
Exons	2204..2380, 2205..2378		

Seq. No.	18199	Seq. ID	OJ991116_02.0215.C7
Gene No.	38122	Strand	-
Start	4288	End	7519
Name	OJ991116_02.0215.C7.o2.np	Method	AAT/NAP
Start	4285	End	7519
GI	4587993	Score	1424
Exons	4285..4526, 4982..5091, 5177..5370, 5456..5596, 5716..5866, 6310..6596, 7220..7519		
GI Descrip.	(AF085279) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18199	Seq. ID	OJ991116_02.0215.C7
Gene No.	38122	Strand	-
Start	4288	End	7519
Name	OJ991116_02.0215.C7.o2.gs	Method	GENSCAN
Start	4288	End	7507
GI	none	Score	.75
Exons	4288..4526, 4982..5091, 5177..5370, 5468..5558, 6310..6596, 7220..7507		

Seq. No.	18199	Seq. ID	OJ991116_02.0215.C7
Gene No.	38122	Strand	-
Start	4288	End	7519
Name	OJ991116_02.0215.C7.o1.tm	Method	TBLASTX:Maize
Start	4399	End	7409
GI	none	Score	133
Exons	4399..4515, 4402..4515, 4983..5018, 5016..5051, 5017..5091, 5028..5093, 5029..5091, 5172..5219, 5176..5226, 5181..5219, 5202..5237, 5238..5372, 5239..5373, 5241..5372, 5242..5373, 5246..5374, 5467..5538, 5468..5539, 5469..5537, 5707..5892, 5729..5887, 5733..5936, 5889..5912, 6282..6599, 6301..6597, 6324..6602, 7217..7243, 7217..7396, 7308..7409		

Seq. No.	18199	Seq. ID	OJ991116_02.0215.C7
Gene No.	38122	Strand	-
Start	4288	End	7519
Name	OJ991116_02.0215.C7.o1.ts	Method	TBLASTX:Soybean
Start	5179	End	5912
GI	none	Score	67
Exons	5179..5373, 5252..5356, 5450..5539, 5469..5534, 5707..5883, 5717..5884, 5717..5890, 5889..5912		

Seq. No.	18199	Seq. ID	OJ991116_02.0215.C7
Gene No.	38122	Strand	-
Start	4288	End	7519
Name	OJ991116_02.0215.C7.o1.tc	Method	TBLASTX:Cress

Start	5224	End	5540
GI	none	Score	91
Exons	5224..5373, 5249..5362, 5450..5539, 5469..5540		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38123	Strand	+
Start	500	End	663
Name	OJ991116_02.0215.C8.o1.gs	Method	GENSCAN
Start	500	End	663
GI	none	Score	.71
Exons	500..523, 577..663		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38124	Strand	+
Start	2430	End	4364
Name	OJ991116_02.0215.C8.o1.np	Method	AAT/NAP
Start	2430	End	4361
GI	3548810	Score	397
Exons	2430..2548, 3112..4361		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38124	Strand	+
Start	2430	End	4364
Name	OJ991116_02.0215.C8.o2.gs	Method	GENSCAN
Start	3024	End	4364
GI	none	Score	.98
Exons	3024..4364		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38125	Strand	+
Start	6017	End	8076
Name	OJ991116_02.0215.C8.o1.gp	Method	AAT/GAP
Start	6017	End	7787
GI	none	Score	874
Exons	6017..6056, 6192..6240, 6839..6929, 7330..7440, 7521..7787		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38125	Strand	+
Start	6017	End	8076
Name	OJ991116_02.0215.C8.o4.gs	Method	GENSCAN
Start	7133	End	8076
GI	none	Score	.6
Exons	7133..7149, 7317..7440, 7990..8076		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38126	Strand	+
Start	9700	End	9888
Name	OJ991116_02.0215.C8.o2.gp	Method	AAT/GAP
Start	9700	End	9888
GI	36630_1.R1084	Score	307
Exons	9700..9888		
GI Descrip.	'3252807 1.0e-48 (AC004705) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8

Gene No.	38127	Strand	-
Start	4545	End	5977
Name	OJ991116_02.0215.C8.o3.gs	Method	GENSCAN
Start	4545	End	5977
GI	none	Score	.53
Exons	4545..4613, 5903..5977		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38128	Strand	-
Start	9302	End	9996
Name	OJ991116_02.0215.C8.o2.tm	Method	TBLASTX:Maize
Start	2997	End	3373
GI	none	Score	34
Exons	2997..3086, 3117..3215, 3120..3212, 3287..3373, 3288..3371		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38128	Strand	-
Start	9302	End	9996
Name	OJ991116_02.0215.C8.o5.gs	Method	GENSCAN
Start	9302	End	9886
GI	none	Score	.8
Exons	9302..9886		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38128	Strand	-
Start	9302	End	9996
Name	OJ991116_02.0215.C8.o2.np	Method	AAT/NAP
Start	9314	End	9996
GI	4468984	Score	250
Exons	9314..9552, 9646..9996		
GI Descrip.	(AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38128	Strand	-
Start	9302	End	9996
Name	OJ991116_02.0215.C8.o1.tm	Method	TBLASTX:Maize
Start	9620	End	9887
GI	none	Score	102
Exons	9620..9691, 9734..9886, 9798..9887		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38128	Strand	-
Start	9302	End	9996
Name	OJ991116_02.0215.C8.o1.tc	Method	TBLASTX:Cress
Start	9734	End	9902
GI	none	Score	38
Exons	9734..9895, 9788..9820, 9810..9902		

Seq. No.	18200	Seq. ID	OJ991116_02.0215.C8
Gene No.	38128	Strand	-
Start	9302	End	9996
Name	OJ991116_02.0215.C8.o1.ts	Method	TBLASTX:Soybean
Start	9734	End	9905
GI	none	Score	64
Exons	9734..9895, 9798..9905		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9

Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o1.np	Method	AAT/NAP
Start	1	End	2196
GI	3252807	Score	1047
Exons	1..89, 391..1590, 2065..2196		
GI Descrip.	(AC004705) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o2.tw	Method	TBLASTX:Wheat
Start	21	End	696
GI	none	Score	86
Exons	21..110, 391..528, 391..555, 398..538, 649..696		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o1.gp	Method	AAT/GAP
Start	387	End	870
GI	36630_1.R1084	Score	918
Exons	387..870		
GI Descrip.	'3252807 1.0e-48 (AC004705) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o2.tm	Method	TBLASTX:Maize
Start	389	End	895
GI	none	Score	133
Exons	389..538, 389..526, 391..555, 649..891, 707..895		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o1.gs	Method	GENSCAN
Start	391	End	2134
GI	none	Score	.61
Exons	391..1572, 2065..2134		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o2.ts	Method	TBLASTX:Soybean
Start	484	End	1053
GI	none	Score	84
Exons	484..564, 485..565, 718..921, 719..901, 958..1053		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o2.gp	Method	AAT/GAP
Start	836	End	1166
GI	2442630	Score	559
Exons	836..1166		

GI Descrip. 4468984/emb|CAB38298| 3.0e-13 (AL035605) putative protein [Arabidopsis thaliana]

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o1.tm	Method	TBLASTX:Maize
Start	897	End	1447
GI	none	Score	128
Exons	897..1088, 897..1100, 898..1128, 916..1122, 1037..1144, 1049..1168, 1100..1369, 1132..1446, 1148..1447		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o1.tc	Method	TBLASTX:Cress
Start	958	End	1377
GI	none	Score	68
Exons	958..1101, 1040..1120, 1156..1377, 1157..1375		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o1.ts	Method	TBLASTX:Soybean
Start	1081	End	2136
GI	none	Score	343
Exons	1081..1593, 1082..1591, 1258..1593, 2065..2136		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o1.tw	Method	TBLASTX:Wheat
Start	1243	End	1554
GI	none	Score	214
Exons	1243..1554, 1247..1501		

Seq. No.	18201	Seq. ID	OJ991116_02.0215.C9
Gene No.	38129	Strand	-
Start	1	End	2196
Name	OJ991116_02.0215.C9.o3.tm	Method	TBLASTX:Maize
Start	1450	End	2166
GI	none	Score	115
Exons	1450..1569, 1450..1575, 2065..2139, 2065..2166		

Seq. No.	18202	Seq. ID	OJ991116_02.0215.C10
Gene No.	38130	Strand	+
Start	186	End	306
Name	OJ991116_02.0215.C10.o1.gp	Method	AAT/GAP
Start	186	End	306
GI	LIB3434-056-P1-K1-D6	Score	183
Exons	186..306		

GI Descrip. '3169178/gb|AAC17821.1| 1.0e-18 (AC004401) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	18202	Seq. ID	OJ991116_02.0215.C10
Gene No.	38131	Strand	+
Start	10623	End	11715

Name	OJ991116_02.0215.C10.o2.gs	Method	GENSCAN
Start	10623	End	11715
GI	none	Score	.94
Exons	10623..10888, 10954..11071, 11524..11715		

Seq. No.	18202	Seq. ID	OJ991116_02.0215.C10
Gene No.	38132	Strand	-
Start	374	End	1629
Name	OJ991116_02.0215.C10.o2.gp	Method	AAT/GAP
Start	374	End	1629
GI	none	Score	982
Exons	374..630, 1386..1629		

Seq. No.	18202	Seq. ID	OJ991116_02.0215.C10
Gene No.	38133	Strand	-
Start	14211	End	15125
Name	OJ991116_02.0215.C10.o3.gs	Method	GENSCAN
Start	14211	End	14954
GI	none	Score	.99
Exons	14211..14954		

Seq. No.	18202	Seq. ID	OJ991116_02.0215.C10
Gene No.	38133	Strand	-
Start	14211	End	15125
Name	OJ991116_02.0215.C10.o1.np	Method	AAT/NAP
Start	14217	End	15125
GI	4666360	Score	354
Exons	14217..14576, 14606..14846, 15049..15125		
GI Descrip.	(AF119050) zinc-finger protein 1 [Datisca glomerata]		

Seq. No.	18202	Seq. ID	OJ991116_02.0215.C10
Gene No.	38133	Strand	-
Start	14211	End	15125
Name	OJ991116_02.0215.C10.o3.gp	Method	AAT/GAP
Start	14773	End	15068
GI	5003113	Score	552
Exons	14773..15068		

Seq. No.	18202	Seq. ID	OJ991116_02.0215.C10
Gene No.	38134	Strand	-
Start	18215	End	21332
Name	OJ991116_02.0215.C10.o1.tc	Method	TBLASTX:Cress
Start	14410	End	14789
GI	none	Score	72
Exons	14410..14493, 14415..14498, 14424..14495, 14586..14618, 14610..14684, 14614..14679, 14616..14684, 14616..14684, 14751..14789		

Seq. No.	18202	Seq. ID	OJ991116_02.0215.C10
Gene No.	38134	Strand	-
Start	18215	End	21332
Name	OJ991116_02.0215.C10.o1.ts	Method	TBLASTX:Soybean
Start	14413	End	14792
GI	none	Score	71
Exons	14413..14499, 14415..14498, 14424..14495, 14596..14679, 14610..14684, 14616..14684, 14751..14792		

Seq. No.	18202	Seq. ID	OJ991116_02.0215.C10
Gene No.	38134	Strand	-
Start	18215	End	21332
Name	OJ991116_02.0215.C10.o1.tm	Method	TBLASTX:Maize
Start	14421	End	14789
GI	none	Score	70
Exons	14421..14492, 14422..14493, 14424..14486, 14551..14682, 14598..14681, 14616..14684, 14751..14789		

Seq. No.	18202	Seq. ID	OJ991116_02.0215.C10
Gene No.	38134	Strand	-
Start	18215	End	21332
Name	OJ991116_02.0215.C10.o4.gs	Method	GENSCAN
Start	18215	End	21332
GI	none	Score	.88
Exons	18215..18406, 18744..18847, 19084..19352, 19429..19564, 20590..20719, 21261..21332		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38135	Strand	+
Start	788	End	1077
Name	OJ991116_02.0215.C11.o1.gp	Method	AAT/GAP
Start	788	End	1077
GI	5004231	Score	564
Exons	788..1077		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38136	Strand	+
Start	1479	End	9209
Name	OJ991116_02.0215.C11.o1.gs	Method	GENSCAN
Start	1479	End	9209
GI	none	Score	.68
Exons	1479..1535, 1849..2023, 2418..2533, 2884..2981, 3082..3258, 3376..3476, 3570..3645, 3729..3788, 3885..4081, 4182..4278, 4364..4450, 4811..4832, 5591..5668, 5860..6005, 6187..6381, 9099..9209		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38136	Strand	+
Start	1479	End	9209
Name	OJ991116_02.0215.C11.o2.gp	Method	AAT/GAP
Start	1786	End	3398
GI	29282_1.R1084	Score	968
Exons	1786..2023, 2884..2981, 3082..3258, 3376..3398		
GI Descrip.	'2739376 5.0e-43 (AC002505) putative permease [Arabidopsis thaliana]'		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38136	Strand	+
Start	1479	End	9209
Name	OJ991116_02.0215.C11.o1.np	Method	AAT/NAP
Start	1855	End	6411
GI	2739376	Score	1403
Exons	1855..2023, 2884..2981, 3082..3258, 3376..3476, 3570..3645, 3729..3788, 3897..4081, 4182..4278, 4364..4450, 4811..4869, 5420..5511, 5591..5668, 5776..5935, 6187..6411		
GI Descrip.	(AC002505) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38136	Strand	+
Start	1479	End	9209
Name	OJ991116_02.0215.C11.o1.tc	Method	TBLASTX:Cress
Start	1927	End	4072
GI	none	Score	107
Exons	1927..2028, 1954..2022, 2886..2981, 2897..2980, 3081..3224, 3082..3258, 3372..3446, 3373..3486, 3562..3642, 3567..3641, 3729..3794, 3734..3787, 3897..4070, 3935..4072, 3971..4072		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38136	Strand	+
Start	1479	End	9209
Name	OJ991116_02.0215.C11.o1.tm	Method	TBLASTX:Maize
Start	1947	End	6509
GI	none	Score	134
Exons	1947..2021, 1948..2022, 2883..2975, 2885..2974, 3081..3239, 3082..3258, 3089..3253, 3373..3486, 3373..3474, 3375..3479, 3565..3648, 3565..3645, 3566..3646, 3567..3647, 3725..3787, 3726..3794, 3728..3787, 3729..3788, 3858..4088, 3881..4081, 3883..4083, 3884..4108, 4182..4250, 4182..4277, 4183..4278, 4217..4288, 4364..4450, 4406..4450, 4796..4870, 4806..4886, 4807..4869, 5405..5530, 5420..5512, 5421..5519, 5589..5684, 5590..5694, 5757..5891, 5759..5881, 5908..5934, 5909..5935, 6185..6406, 6186..6407, 6186..6476, 6187..6408, 6483..6509		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38136	Strand	+
Start	1479	End	9209
Name	OJ991116_02.0215.C11.o3.ts	Method	TBLASTX:Soybean
Start	2898	End	3216
GI	none	Score	89
Exons	2898..2975, 3085..3216		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38136	Strand	+
Start	1479	End	9209
Name	OJ991116_02.0215.C11.o1.ts	Method	TBLASTX:Soybean
Start	3393	End	5664
GI	none	Score	45
Exons	3393..3449, 3394..3477, 3562..3648, 3567..3647, 3728..3796, 3729..3794, 3897..4088, 3932..4078, 4182..4277, 4183..4278, 4364..4450, 4796..4870, 4804..4869, 5420..5512, 5421..5513, 5421..5519, 5589..5663, 5590..5664		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38136	Strand	+
Start	1479	End	9209
Name	OJ991116_02.0215.C11.o3.gp	Method	AAT/GAP
Start	4168	End	6786
GI	16382_1.R1084	Score	2188
Exons	4168..4278, 4364..4450, 4811..4869, 5420..5511, 5591..5668, 5776..5935, 6187..6786		
GI Descrip.	'2739376 7.0e-93 (AC002505) putative permease [Arabidopsis thaliana]'		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38136	Strand	+
Start	1479	End	9209
Name	OJ991116_02.0215.C11.o2.ts	Method	TBLASTX:Soybean
Start	5766	End	6414
GI	none	Score	148
Exons	5766..5882, 5909..5935, 6186..6314, 6187..6330, 6342..6410, 6343..6414		

Seq. No.	18203	Seq. ID	OJ991116_02.0215.C11
Gene No.	38136	Strand	+
Start	1479	End	9209
Name	OJ991116_02.0215.C11.o2.tc	Method	TBLASTX:Cress
Start	6186	End	6417
GI	none	Score	112
Exons	6186..6275, 6187..6291, 6283..6327, 6342..6413, 6343..6417		

Seq. No.	18204	Seq. ID	OJ991116_02.0215.C12
Gene No.	38137	Strand	-
Start	960	End	1253
Name	OJ991116_02.0215.C12.o1.gs	Method	GENSCAN
Start	960	End	1253
GI	none	Score	.52
Exons	960..1253		

Seq. No.	18205	Seq. ID	OJ991116_02.0215.C13
Gene No.	38138	Strand	-
Start	1689	End	3491
Name	OJ991116_02.0215.C13.o1.gs	Method	GENSCAN
Start	1689	End	3491
GI	none	Score	.57
Exons	1689..1817, 1959..2106, 3346..3491		

Seq. No.	18206	Seq. ID	OJ991116_02.0215.C14
Gene No.	38139	Strand	-
Start	47	End	605
Name	OJ991116_02.0215.C14.o1.gs	Method	GENSCAN
Start	47	End	605
GI	none	Score	.64
Exons	47..222, 519..605		

Seq. No.	18207	Seq. ID	OJ991116_02.0215.C15
Gene No.	38140	Strand	+
Start	507	End	614
Name	OJ991116_02.0215.C15.o1.gp	Method	AAT/GAP
Start	507	End	614
GI	5867_1.R1084	Score	144
Exons	507..614		
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	18207	Seq. ID	OJ991116_02.0215.C15

Gene No.	38141	Strand	+
Start	4145	End	4550
Name	OJ991116_02.0215.C15.o2.gs	Method	GENSCAN
Start	4145	End	4550
GI	none	Score	.57
Exons	4145..4249, 4353..4550		

Seq. No.	18207	Seq. ID	OJ991116_02.0215.C15
Gene No.	38142	Strand	+
Start	10860	End	10923
Name	OJ991116_02.0215.C15.o2.gp	Method	AAT/GAP
Start	10860	End	10923
GI	2310474	Score	77
Exons	10860..10923		
GI Descrip.	5922603/dbj\|AP000492.1\|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		

Seq. No.	18207	Seq. ID	OJ991116_02.0215.C15
Gene No.	38143	Strand	+
Start	13185	End	15802
Name	OJ991116_02.0215.C15.o5.gs	Method	GENSCAN
Start	13185	End	15802
GI	none	Score	.61
Exons	13185..13335, 14474..14608, 15150..15202, 15722..15802		

Seq. No.	18208	Seq. ID	OJ991116_02.0215.C16
Gene No.	38144	Strand	+
Start	970	End	3228
Name	OJ991116_02.0215.C16.o1.gs	Method	GENSCAN
Start	970	End	3228
GI	none	Score	.46
Exons	970..1025, 3068..3171, 3204..3228		

Seq. No.	18209	Seq. ID	OJ991116_02.0215.C17
Gene No.	38145	Strand	-
Start	786	End	1990
Name	OJ991116_02.0215.C17.o1.gs	Method	GENSCAN
Start	786	End	1990
GI	none	Score	.54
Exons	786..871, 1951..1990		

Seq. No.	18210	Seq. ID	OJ991116_02.0215.C19
Gene No.	38146	Strand	+
Start	5517	End	6042
Name	OJ991116_02.0215.C19.o2.gs	Method	GENSCAN
Start	5517	End	6042
GI	none	Score	.87
Exons	5517..5597, 5815..6042		

Seq. No.	18211	Seq. ID	OJ991116_02.0215.C21
Gene No.	38147	Strand	+
Start	996	End	4420
Name	OJ991116_02.0215.C21.o1.gs	Method	GENSCAN
Start	996	End	4420
GI	none	Score	.72
Exons	996..1070, 2824..2964, 4078..4187, 4244..4420		

Seq. No.	18212	Seq. ID	OJ991116_02.0215.C23
Gene No.	38148	Strand	+
Start	23	End	2935
Name	OJ991116_02.0215.C23.o1.gs	Method	GENSCAN
Start	23	End	2935
GI	none	Score	.4
Exons	23..159, 1637..1746, 2073..2699, 2880..2935		

Seq. No.	18212	Seq. ID	OJ991116_02.0215.C23
Gene No.	38148	Strand	+
Start	23	End	2935
Name	OJ991116_02.0215.C23.o1.gp	Method	AAT/GAP
Start	2095	End	2572
GI	34656_1.R1084	Score	937
Exons	2095..2572		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	18212	Seq. ID	OJ991116_02.0215.C23
Gene No.	38149	Strand	+
Start	2884	End	3238
Name	OJ991116_02.0215.C23.o2.gp	Method	AAT/GAP
Start	2884	End	3238
GI	3061011	Score	698
Exons	2884..3238		

Seq. No.	18213	Seq. ID	OJ991116_02.0215.C25
Gene No.	38150	Strand	-
Start	401	End	714
Name	OJ991116_02.0215.C25.o1.gp	Method	AAT/GAP
Start	401	End	714
GI	LIB3432-059-P1-K1-D8	Score	562
Exons	401..714		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	18214	Seq. ID	OJ991026_07.0216.C2
Gene No.	38151	Strand	+
Start	252	End	354
Name	OJ991026_07.0216.C2.o1.gs	Method	GENSCAN
Start	252	End	354
GI	none	Score	.61
Exons	252..354		

Seq. No.	18215	Seq. ID	OJ991026_07.0216.C4
Gene No.	38152	Strand	
Start	4741	End	5113
Name	OJ991026_07.0216.C4.o1.tw	Method	TBLASTX:Wheat
Start	4741	End	5113
GI	none	Score	62
Exons	4741..4959, 5042..5113		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38153	Strand	+
Start	131	End	651
Name	OJ991026_07.0216.C6.o1.gs	Method	GENSCAN
Start	131	End	651

GI	none	Score	.62
Exons	131..207, 378..651		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o1.np	Method	AAT/NAP
Start	1412	End	6046
GI	4680203	Score	3235
Exons	1412..2389, 2665..2895, 3049..4722, 6010..6046		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o1.tw	Method	TBLASTX:Wheat
Start	1466	End	2787
GI	none	Score	46
Exons	1466..1531, 1467..1532, 1571..1627, 1575..1628, 1634..1750, 1634..1780, 1677..1781, 1728..1823, 1760..1819, 1825..1872, 1826..1873, 1865..2527, 1881..2528, 2058..2531, 2519..2782, 2524..2781, 2602..2787		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o2.gs	Method	GENSCAN
Start	1556	End	4485
GI	none	Score	.45
Exons	1556..2353, 2569..2703, 2806..2984, 3117..3278, 3492..4485		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o1.tc	Method	TBLASTX:Cress
Start	2048	End	2495
GI	none	Score	105
Exons	2048..2197, 2048..2491, 2052..2495, 2058..2495		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o2.tm	Method	TBLASTX:Maize
Start	2426	End	2739
GI	none	Score	51
Exons	2426..2527, 2454..2525, 2522..2722, 2524..2739		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o3.tw	Method	TBLASTX:Wheat
Start	2788	End	3193
GI	none	Score	70
Exons	2788..2868, 2789..2869, 2789..2872, 2794..2874, 2901..3113, 2902..3144, 2942..3124, 3130..3192, 3143..3193		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6

Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o2.ts	Method	TBLASTX:Soybean
Start	3226	End	3462
GI	none	Score	197
Exons	3226..3462		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o1.tm	Method	TBLASTX:Maize
Start	3298	End	3756
GI	none	Score	108
Exons	3298..3492, 3502..3756, 3502..3744		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o2.tw	Method	TBLASTX:Wheat
Start	3332	End	3801
GI	none	Score	167
Exons	3332..3538, 3332..3541, 3337..3540, 3337..3561, 3539..3631, 3541..3639, 3542..3634, 3643..3747, 3647..3748, 3745..3801, 3749..3793		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o2.tc	Method	TBLASTX:Cress
Start	3589	End	3952
GI	none	Score	84
Exons	3589..3930, 3608..3736, 3785..3952		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o1.ts	Method	TBLASTX:Soybean
Start	3670	End	4099
GI	none	Score	97
Exons	3670..3966, 3683..3934, 4016..4099, 4024..4098		

Seq. No.	18216	Seq. ID	OJ991026_07.0216.C6
Gene No.	38154	Strand	-
Start	1556	End	6046
Name	OJ991026_07.0216.C6.o4.tw	Method	TBLASTX:Wheat
Start	4020	End	4416
GI	none	Score	204
Exons	4020..4262, 4028..4270, 4030..4272, 4031..4273, 4264..4416, 4278..4397		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38155	Strand	+
Start	960	End	6093
Name	OJ991026_07.0216.C8.o1.gs	Method	GENSCAN
Start	960	End	6093
GI	none	Score	.83
Exons	960..1362, 1522..1577, 1908..2039, 2172..2291, 3879..4070,		

4323..4385, 5140..5193, 5314..5393, 5831..5941, 6015..6093

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38156	Strand	+
Start	14456	End	21766
Name	OJ991026_07.0216.C8.o4.gs	Method	GENSCAN
Start	14456	End	21346
GI	none	Score	.6
Exons	14456..14745, 14784..14855, 15336..15531, 15616..16949, 17232..17404, 17564..17810, 17906..18200, 19791..19844, 20213..21346		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38156	Strand	+
Start	14456	End	21766
Name	OJ991026_07.0216.C8.o2.np	Method	AAT/NAP
Start	16537	End	18866
GI	4914373	Score	1002
Exons	16537..16906, 17293..17404, 17564..17810, 17906..18200, 18723..18866		
GI Descrip.	(AC007584) putative protein kinase/endoribonuclease [Arabidopsis thaliana]		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38156	Strand	+
Start	14456	End	21766
Name	OJ991026_07.0216.C8.o1.gp	Method	AAT/GAP
Start	16731	End	17387
GI	60367_1.R1084	Score	726
Exons	16731..16949, 17232..17387		
GI Descrip.	'4164398/emb\|CAA22846.1\| 8.0e-16 (AL035248) serine threonine-protein kinase [Schizosaccharomyces pombe]'		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38156	Strand	+
Start	14456	End	21766
Name	OJ991026_07.0216.C8.o2.gp	Method	AAT/GAP
Start	18066	End	19066
GI	2104_1.R1084	Score	898
Exons	18066..18200, 18723..19066		
GI Descrip.	'4914373/gb\|AAD32909.1\|AC007584_7 2.0e-25 (AC007584) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38156	Strand	+
Start	14456	End	21766
Name	OJ991026_07.0216.C8.o3.np	Method	AAT/NAP
Start	20057	End	21766
GI	6907087	Score	790
Exons	20057..20431, 20478..21125, 21665..21766		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38157	Strand	+
Start	22231	End	22611

Name	OJ991026_07.0216.C8.o3.gp	Method	AAT/GAP
Start	22231	End	22611
GI	uC-osflcyp033a04b1	Score	622
Exons	22231..22611		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38158	Strand	-
Start	6838	End	10851
Name	OJ991026_07.0216.C8.o2.gs	Method	GENSCAN
Start	6838	End	10851
GI	none	Score	.55
Exons	6838..6961, 7775..8045, 8252..8387, 9569..9661, 10327..10668, 10717..10851		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38158	Strand	-
Start	6838	End	10851
Name	OJ991026_07.0216.C8.o1.np	Method	AAT/NAP
Start	7011	End	9648
GI	1871176	Score	191
Exons	7011..7082, 7570..7624, 7775..8045, 8262..8387, 9569..9648		
GI Descrip.	(U90439) unknown protein [Arabidopsis thaliana]		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38159	Strand	-
Start	13073	End	13564
Name	OJ991026_07.0216.C8.o3.gs	Method	GENSCAN
Start	13073	End	13564
GI	none	Score	.69
Exons	13073..13564		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38160	Strand	-
Start	22159	End	24108
Name	OJ991026_07.0216.C8.o5.tm	Method	TBLASTX:Maize
Start	7021	End	10852
GI	none	Score	69
Exons	7021..7080, 7032..7091, 7570..7650, 7570..7623, 7766..7966, 7772..7849, 7774..7974, 7776..7964, 7932..8048, 7939..8046, 7940..8053, 8242..8349, 8250..8393, 8255..8389, 8255..8410, 9569..9658, 9569..9661, 10717..10767, 10721..10768, 10795..10839, 10799..10852		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38160	Strand	-
Start	22159	End	24108
Name	OJ991026_07.0216.C8.o3.tm	Method	TBLASTX:Maize
Start	15819	End	16073
GI	none	Score	288
Exons	15819..16022, 15823..16032, 15838..16023, 15875..16051, 16029..16073, 16035..16070		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38160	Strand	-
Start	22159	End	24108

Name	OJ991026_07.0216.C8.o2.tm	Method	TBLASTX:Maize
Start	16134	End	16607
GI	none	Score	353
Exons	16134..16523, 16144..16524, 16235..16528, 16256..16525, 16572..16607		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38160	Strand	-
Start	22159	End	24108
Name	OJ991026_07.0216.C8.o2.tc	Method	TBLASTX:Cress
Start	16686	End	17340
GI	none	Score	202
Exons	16686..16847, 16687..16851, 16690..16857, 16903..16965, 17209..17340, 17229..17339		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38160	Strand	-
Start	22159	End	24108
Name	OJ991026_07.0216.C8.o4.tm	Method	TBLASTX:Maize
Start	16872	End	17627
GI	none	Score	88
Exons	16872..16964, 16872..16964, 16873..16965, 17224..17406, 17229..17405, 17230..17421, 17530..17622, 17555..17620, 17562..17627, 17563..17625		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38160	Strand	-
Start	22159	End	24108
Name	OJ991026_07.0216.C8.o1.ts	Method	TBLASTX:Soybean
Start	17296	End	17951
GI	none	Score	116
Exons	17296..17406, 17298..17405, 17524..17793, 17549..17791, 17562..17795, 17563..17796, 17903..17947, 17904..17948, 17916..17951		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38160	Strand	-
Start	22159	End	24108
Name	OJ991026_07.0216.C8.o1.tm	Method	TBLASTX:Maize
Start	17628	End	19017
GI	none	Score	162
Exons	17628..17783, 17635..17811, 17635..17805, 17637..17810, 17904..18194, 17905..18204, 17916..18200, 17920..18201, 18718..18861, 18721..18870, 18726..18872, 18728..18871, 18923..18988, 18964..19017, 18969..19016		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38160	Strand	-
Start	22159	End	24108
Name	OJ991026_07.0216.C8.o1.tc	Method	TBLASTX:Cress
Start	17710	End	18851
GI	none	Score	90
Exons	17710..17811, 17904..17996, 17997..18182, 18044..18163, 18714..18851, 18722..18850		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38160	Strand	-

Start	22159	End	24108
Name	OJ991026_07.0216.C8.o4.np	Method	AAT/NAP
Start	22159	End	24108
GI	4680186	Score	235
Exons	22159..22364, 24046..24108		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18217	Seq. ID	OJ991026_07.0216.C8
Gene No.	38160	Strand	-
Start	22159	End	24108
Name	OJ991026_07.0216.C8.o5.np	Method	AAT/NAP
Start	23362	End	24001
GI	6721559	Score	410
Exons	23362..23500, 23529..24001		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	18218	Seq. ID	OJ991026_07.0216.C9
Gene No.	38161	Strand	+
Start	7	End	280
Name	OJ991026_07.0216.C9.o1.gs	Method	GENSCAN
Start	7	End	280
GI	none	Score	.63
Exons	7..81, 101..280		

Seq. No.	18219	Seq. ID	OJ991026_07.0216.C10
Gene No.	38162	Strand	+
Start	1313	End	1499
Name	OJ991026_07.0216.C10.o1.gs	Method	GENSCAN
Start	1313	End	1499
GI	none	Score	.73
Exons	1313..1499		

Seq. No.	18219	Seq. ID	OJ991026_07.0216.C10
Gene No.	38163	Strand	-
Start	1700	End	3030
Name	OJ991026_07.0216.C10.o1.np	Method	AAT/NAP
Start	1700	End	3030
GI	3037018	Score	94
Exons	1700..1859, 2069..2210, 2480..2654, 2866..3030		
GI Descrip.	(AF041330) NADH dehydrogenase subunit 5 [Bodo saltans]		

Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38164	Strand	+
Start	174	End	3028
Name	OJ991026_07.0216.C11.o1.gs	Method	GENSCAN
Start	174	End	3028
GI	none	Score	.65
Exons	174..327, 1500..1582, 1970..2264, 2393..3028		

Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38164	Strand	+
Start	174	End	3028
Name	OJ991026_07.0216.C11.o1.gp	Method	AAT/GAP
Start	1316	End	2084
GI	2311359	Score	545

Exons	1316..1417, 1500..1640, 2007..2084		
Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38165	Strand	+
Start	5238	End	12887
Name	OJ991026_07.0216.C11.o2.gs	Method	GENSCAN
Start	5238	End	12863
GI	none	Score	.75
Exons	5238..5307, 6569..7877, 7979..8109, 8206..8327, 8412..8518, 8639..8771, 8877..8993, 9095..9202, 9251..9277, 9997..10119, 10206..10368, 10675..10799, 10890..11024, 11109..11212, 11465..11528, 11721..11853, 11949..12022, 12138..12205, 12334..12365, 12736..12863		
Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38165	Strand	+
Start	5238	End	12887
Name	OJ991026_07.0216.C11.o1.np	Method	AAT/NAP
Start	6670	End	12887
GI	2149640	Score	1494
Exons	6670..6721, 6884..7452, 7534..7851, 7968..8109, 8206..8294, 8391..8518, 8633..8771, 8877..8993, 9095..9202, 9294..9365, 9997..10129, 10213..10368, 10675..10799, 10890..11024, 11109..11251, 11307..11369, 11465..11528, 11721..11847, 11943..12022, 12138..12232, 12334..12365, 12736..12887		
GI Descrip.	(U91995) Argonaute protein [Arabidopsis thaliana] gi\|5733867\|gb\|AAD49755.1\|AC007932_3 (AC007932) Identical to gb\|U91995 Argonaute protein from Arabidopsis thaliana. ESTs gb\|H76075, gb\|AA720232, gb\|N65911 and gb\|AA651494 come from this gene.		
Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38165	Strand	+
Start	5238	End	12887
Name	OJ991026_07.0216.C11.o2.gp	Method	AAT/GAP
Start	8200	End	9327
GI	82767_1.R1084	Score	798
Exons	8200..8327, 8412..8518, 8639..8771, 8877..8984, 9089..9201, 9294..9327		
GI Descrip.	'2149640 4.0e-17 (U91995) Argonaute protein [Arabidopsis thaliana] >gi_5733867_gb_AAD49755.1_AC007932_3 (AC007932) Identical to gb_U91995 Argonaute protein from Arabidopsis thaliana. ESTs gb_H76075, gb_AA720232, gb_N65911 and gb_AA651494 come from this gene'		
Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38166	Strand	-
Start	12926	End	13154
Name	OJ991026_07.0216.C11.o2.tm	Method	TBLASTX:Maize
Start	2743	End	2974
GI	none	Score	259
Exons	2743..2934, 2744..2974, 2859..2972		
Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38166	Strand	-
Start	12926	End	13154
Name	OJ991026_07.0216.C11.o1.tc	Method	TBLASTX:Cress

Start	7348	End	12788
GI	none	Score	118
Exons	7348..7452, 7350..7460, 7533..7670, 7534..7710, 7720..7851, 7977..8030, 8025..8108, 8205..8285, 8406..8495, 8423..8497, 8661..8774, 8666..8773, 8874..8993, 8876..8989, 9095..9199, 9272..9358, 9290..9364, 9297..9365, 9994..10119, 10673..10753, 10674..10748, 10761..10802, 10932..11027, 10934..11026, 11108..11203, 11109..11198, 11305..11370, 11445..11528, 11745..11855, 11745..11846, 11942..12022, 11944..12033, 12132..12221, 12137..12235, 12335..12364, 12738..12788		

Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38166	Strand	-
Start	12926	End	13154
Name	OJ991026_07.0216.C11.o2.ts	Method	TBLASTX:Soybean
Start	7390	End	8021
GI	none	Score	77
Exons	7390..7452, 7533..7670, 7534..7713, 7720..7851, 7977..8021		

Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38166	Strand	-
Start	12926	End	13154
Name	OJ991026_07.0216.C11.o1.tm	Method	TBLASTX:Maize
Start	8037	End	12788
GI	none	Score	93
Exons	8037..8111, 8039..8116, 8081..8173, 8199..8282, 8406..8504, 8414..8500, 8430..8507, 8658..8774, 8717..8776, 8874..8993, 8876..8989, 9095..9199, 9293..9364, 9297..9365, 9994..10119, 10239..10373, 10673..10801, 10674..10802, 10928..11029, 10932..11027, 11078..11203, 11106..11198, 11305..11370, 11463..11528, 11745..11855, 11754..11831, 11942..12022, 11944..12018, 11950..12033, 12132..12221, 12136..12231, 12137..12235, 12331..12363, 12335..12364, 12738..12788		

Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38166	Strand	-
Start	12926	End	13154
Name	OJ991026_07.0216.C11.o1.ts	Method	TBLASTX:Soybean
Start	10956	End	12899
GI	none	Score	84
Exons	10956..11027, 11109..11198, 11305..11370, 11463..11528, 11745..11855, 11754..11843, 11914..12033, 11942..12022, 12132..12221, 12134..12250, 12335..12364, 12738..12788, 12816..12899		

Seq. No.	18220	Seq. ID	OJ991026_07.0216.C11
Gene No.	38166	Strand	-
Start	12926	End	13154
Name	OJ991026_07.0216.C11.o4.gp	Method	AAT/GAP
Start	12926	End	13154
GI	3106688	Score	408
Exons	12926..13154		

Seq. No.	18221	Seq. ID	OJ991026_07.0216.C12
Gene No.	38167	Strand	+
Start	984	End	2336
Name	OJ991026_07.0216.C12.o1.gs	Method	GENSCAN

Start	984	End	2336
GI	none	Score	.69
Exons	984..1017, 1932..2336		

Seq. No.	18221	Seq. ID	OJ991026_07.0216.C12
Gene No.	38168	Strand	-
Start	3100	End	5301
Name	OJ991026_07.0216.C12.o2.gs	Method	GENSCAN
Start	3100	End	5301
GI	none	Score	.65
Exons	3100..3498, 4999..5301		

Seq. No.	18221	Seq. ID	OJ991026_07.0216.C12
Gene No.	38169	Strand	-
Start	8241	End	9805
Name	OJ991026_07.0216.C12.o3.gs	Method	GENSCAN
Start	8241	End	9805
GI	none	Score	.4
Exons	8241..8859, 9049..9115, 9748..9805		

Seq. No.	18221	Seq. ID	OJ991026_07.0216.C12
Gene No.	38170	Strand	-
Start	15817	End	22926
Name	OJ991026_07.0216.C12.o1.np	Method	AAT/NAP
Start	14759	End	16571
GI	6907086	Score	1338
Exons	14759..15033, 15069..15143, 15257..15304, 15532..15779, 15837..16571		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18221	Seq. ID	OJ991026_07.0216.C12
Gene No.	38170	Strand	-
Start	15817	End	22926
Name	OJ991026_07.0216.C12.o4.gs	Method	GENSCAN
Start	15817	End	20468
GI	none	Score	.75
Exons	15817..16347, 18111..18221, 18803..18950, 20347..20468		

Seq. No.	18221	Seq. ID	OJ991026_07.0216.C12
Gene No.	38170	Strand	-
Start	15817	End	22926
Name	OJ991026_07.0216.C12.o2.np	Method	AAT/NAP
Start	17281	End	20661
GI	4680186	Score	208
Exons	17281..17699, 18201..18260, 20617..20661		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18221	Seq. ID	OJ991026_07.0216.C12
Gene No.	38170	Strand	-
Start	15817	End	22926
Name	OJ991026_07.0216.C12.o3.np	Method	AAT/NAP
Start	19172	End	21925
GI	5734765	Score	120
Exons	19172..19246, 21402..21925		
GI Descrip.	(AC007651) Very similar to amino acid transporter [Arabidopsis thaliana]		

Seq. No.	18221	Seq. ID	OJ991026_07.0216.C12
Gene No.	38170	Strand	-
Start	15817	End	22926
Name	OJ991026_07.0216.C12.o5.gs	Method	GENSCAN
Start	21210	End	22926
GI	none	Score	.7
Exons	21210..21506, 21576..21651, 22838..22926		

Seq. No.	18222	Seq. ID	OJ991026_07.0216.C13
Gene No.	38171	Strand	+
Start	6691	End	9977
Name	OJ991026_07.0216.C13.o1.np	Method	AAT/NAP
Start	6691	End	9977
GI	6693018	Score	78
Exons	6691..6762, 7986..8051, 8460..8536, 9959..9977		
GI Descrip.	(AC012375) T22C5.11 [Arabidopsis thaliana]		

Seq. No.	18222	Seq. ID	OJ991026_07.0216.C13
Gene No.	38172	Strand	-
Start	3898	End	4410
Name	OJ991026_07.0216.C13.o2.gs	Method	GENSCAN
Start	3898	End	4410
GI	none	Score	.5
Exons	3898..4410		

Seq. No.	18223	Seq. ID	OJ991026_07.0216.C14
Gene No.	38173	Strand	+
Start	581	End	733
Name	OJ991026_07.0216.C14.o1.tm	Method	TBLASTX:Maize
Start	2	End	129
GI	none	Score	209
Exons	2..127, 3..113, 13..129		

Seq. No.	18223	Seq. ID	OJ991026_07.0216.C14
Gene No.	38173	Strand	+
Start	581	End	733
Name	OJ991026_07.0216.C14.o1.gs	Method	GENSCAN
Start	581	End	733
GI	none	Score	.41
Exons	581..733		

Seq. No.	18224	Seq. ID	OJ991026_07.0216.C15
Gene No.	38174	Strand	-
Start	1262	End	6084
Name	OJ991026_07.0216.C15.o1.gs	Method	GENSCAN
Start	1262	End	6084
GI	none	Score	.44
Exons	1262..1399, 1418..1525, 1646..1917, 2592..5059, 5787..5842, 5983..6084		

Seq. No.	18224	Seq. ID	OJ991026_07.0216.C15
Gene No.	38174	Strand	-
Start	1262	End	6084
Name	OJ991026_07.0216.C15.o1.np	Method	AAT/NAP
Start	1369	End	5245
GI	6692735	Score	1604
Exons	1369..1441, 2583..5245		

GI Descrip. (AC012679) hypothetical protein [Arabidopsis thaliana]

Seq. No.	18224	Seq. ID	OJ991026_07.0216.C15
Gene No.	38174	Strand	-
Start	1262	End	6084
Name	OJ991026_07.0216.C15.o1.ts	Method	TBLASTX:Soybean
Start	2596	End	4413
GI	none	Score	71
Exons	2596..2721, 3139..3777, 3139..3756, 3181..3783, 3265..3789, 3376..3792, 3586..3792, 3607..3780, 3922..4410, 3931..4413, 3937..4410, 4153..4332, 4154..4402, 4183..4407, 4186..4413, 4231..4404		

Seq. No.	18224	Seq. ID	OJ991026_07.0216.C15
Gene No.	38174	Strand	-
Start	1262	End	6084
Name	OJ991026_07.0216.C15.o1.tm	Method	TBLASTX:Maize
Start	2944	End	4425
GI	none	Score	159
Exons	2944..3195, 3292..3747, 3502..3792, 4030..4425		

Seq. No.	18224	Seq. ID	OJ991026_07.0216.C15
Gene No.	38174	Strand	-
Start	1262	End	6084
Name	OJ991026_07.0216.C15.o1.tc	Method	TBLASTX:Cress
Start	3160	End	4383
GI	none	Score	98
Exons	3160..3435, 3235..3516, 3307..3645, 3403..3759, 4078..4383		

Seq. No.	18225	Seq. ID	OJ991026_06.0218.C2
Gene No.	38175	Strand	-
Start	1905	End	2001
Name	OJ991026_06.0218.C2.o1.gp	Method	AAT/GAP
Start	1905	End	2001
GI	LIB3477-003-P1-K1-E9	Score	153
Exons	1905..2001		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38176	Strand	+
Start	593	End	662
Name	OJ991026_06.0218.C3.o1.gs	Method	GENSCAN
Start	593	End	662
GI	none	Score	.63
Exons	593..662		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38177	Strand	+
Start	714	End	4687
Name	OJ991026_06.0218.C3.o2.np	Method	AAT/NAP
Start	714	End	4687
GI	4539658	Score	239
Exons	714..736, 1548..1685, 1727..1903, 4628..4687		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38177	Strand	+
Start	714	End	4687
Name	OJ991026_06.0218.C3.o1.gp	Method	AAT/GAP
Start	1402	End	1682
GI	LIB3475-004-P1-K2-A5	Score	412
Exons	1402..1682		
GI Descrip.	'5777612/emb\|AJ245900.1\|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38177	Strand	+
Start	714	End	4687
Name	OJ991026_06.0218.C3.o1.np	Method	AAT/NAP
Start	1561	End	1907
GI	4539658	Score	235
Exons	1561..1685, 1727..1907		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38177	Strand	+
Start	714	End	4687
Name	OJ991026_06.0218.C3.o2.gp	Method	AAT/GAP
Start	1919	End	2166
GI	LIB3475-004-P1-K2-A5	Score	394
Exons	1919..2166		
GI Descrip.	'5777612/emb\|AJ245900.1\|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38178	Strand	+
Start	5888	End	13164
Name	OJ991026_06.0218.C3.o3.np	Method	AAT/NAP
Start	5888	End	8978
GI	4415916	Score	564
Exons	5888..5936, 7309..7477, 7565..7754, 8201..8643, 8769..8978		
GI Descrip.	(AC006282) putative pectinesterase [Arabidopsis thaliana]		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38178	Strand	+
Start	5888	End	13164
Name	OJ991026_06.0218.C3.o3.gs	Method	GENSCAN
Start	7233	End	13164
GI	none	Score	.49
Exons	7233..7477, 7565..7754, 8201..8646, 8881..8974, 10003..10080, 10313..10430, 11275..11326, 12831..13164		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38178	Strand	+
Start	5888	End	13164
Name	OJ991026_06.0218.C3.o3.gp	Method	AAT/GAP
Start	11056	End	11199
GI	LIB3431-027-P1-K1-D5	Score	247
Exons	11056..11199		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen		

allergen (gb_Z27084). [Arabidopsis thaliana]'

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38178	Strand	+
Start	5888	End	13164
Name	OJ991026_06.0218.C3.o4.gp	Method	AAT/GAP
Start	11687	End	11763
GI	LIB3477-003-P1-K1-E9	Score	111
Exons	11687..11763		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38178	Strand	+
Start	5888	End	13164
Name	OJ991026_06.0218.C3.o5.gp	Method	AAT/GAP
Start	12778	End	13029
GI	none	Score	484
Exons	12778..13029		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38179	Strand	-
Start	4530	End	5941
Name	OJ991026_06.0218.C3.o4.tm	Method	TBLASTX:Maize
Start	1458	End	2155
GI	none	Score	63
Exons	1458..1517, 1471..1518, 1531..1587, 1533..1583, 1534..1593, 1565..1702, 1575..1706, 1577..1681, 1578..1703, 1591..1707, 1950..2072, 1950..2072, 1952..2074, 1964..2080, 2052..2129, 2065..2145, 2068..2154, 2078..2155		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38179	Strand	-
Start	4530	End	5941
Name	OJ991026_06.0218.C3.o2.gs	Method	GENSCAN
Start	4530	End	5941
GI	none	Score	.64
Exons	4530..4697, 4930..5132, 5543..5651, 5894..5941		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38180	Strand	
Start	7326	End	8628
Name	OJ991026_06.0218.C3.o2.tc	Method	TBLASTX:Cress
Start	7326	End	7709
GI	none	Score	90
Exons	7326..7475, 7562..7708, 7563..7709		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38180	Strand	
Start	7326	End	8628
Name	OJ991026_06.0218.C3.o3.tm	Method	TBLASTX:Maize
Start	7328	End	7604
GI	none	Score	202
Exons	7328..7468, 7329..7478, 7350..7481, 7559..7603, 7566..7604		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3

Gene No.	38180	Strand	
Start	7326	End	8628
Name	OJ991026_06.0218.C3.o1.ts	Method	TBLASTX:Soybean
Start	7350	End	8620
GI	none	Score	93
Exons	7350..7475, 7566..7613, 8200..8391, 8201..8425, 8447..8524, 8534..8620		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38180	Strand	
Start	7326	End	8628
Name	OJ991026_06.0218.C3.o1.tw	Method	TBLASTX:Wheat
Start	7365	End	8524
GI	none	Score	102
Exons	7365..7475, 7365..7457, 7563..7754, 8189..8464, 8200..8463, 8483..8524		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38180	Strand	
Start	7326	End	8628
Name	OJ991026_06.0218.C3.o1.tm	Method	TBLASTX:Maize
Start	7808	End	8628
GI	none	Score	70
Exons	7808..7939, 8189..8623, 8200..8628		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38180	Strand	
Start	7326	End	8628
Name	OJ991026_06.0218.C3.o1.tc	Method	TBLASTX:Cress
Start	8179	End	8610
GI	none	Score	506
Exons	8179..8505, 8189..8512, 8201..8308, 8471..8608, 8542..8610		

Seq. No.	18226	Seq. ID	OJ991026_06.0218.C3
Gene No.	38181	Strand	
Start	8760	End	9004
Name	OJ991026_06.0218.C3.o2.tm	Method	TBLASTX:Maize
Start	8760	End	9004
GI	none	Score	286
Exons	8760..8924, 8761..8925, 8948..9004		

Seq. No.	18227	Seq. ID	OJ991026_06.0218.C4
Gene No.	38182	Strand	+
Start	166	End	640
Name	OJ991026_06.0218.C4.o1.gs	Method	GENSCAN
Start	166	End	640
GI	none	Score	.63
Exons	166..261, 521..640		

Seq. No.	18227	Seq. ID	OJ991026_06.0218.C4
Gene No.	38183	Strand	+
Start	5409	End	7194
Name	OJ991026_06.0218.C4.o1.np	Method	AAT/NAP
Start	5407	End	7194
GI	6715724	Score	179
Exons	5407..5496, 6272..6420, 6510..6619, 7078..7194		
GI Descrip.	(AC016447) unknown protein [Arabidopsis thaliana]		

Seq. No.	18227	Seq. ID	OJ991026_06.0218.C4
Gene No.	38183	Strand	+
Start	5409	End	7194
Name	OJ991026_06.0218.C4.o3.gs	Method	GENSCAN
Start	5409	End	7185
GI	none	Score	.66
Exons	5409..5686, 6317..6420, 6510..6619, 6754..6849, 7078..7185		

Seq. No.	18227	Seq. ID	OJ991026_06.0218.C4
Gene No.	38184	Strand	-
Start	2625	End	3469
Name	OJ991026_06.0218.C4.o2.gs	Method	GENSCAN
Start	2625	End	3469
GI	none	Score	.87
Exons	2625..2752, 2908..3006, 3132..3311, 3442..3469		

Seq. No.	18227	Seq. ID	OJ991026_06.0218.C4
Gene No.	38185	Strand	-
Start	8798	End	10742
Name	OJ991026_06.0218.C4.o2.tm	Method	TBLASTX:Maize
Start	163	End	7173
GI	none	Score	128
Exons	163..264, 166..261, 503..616, 518..616, 520..633, 525..641, 6330..6422, 6500..6619, 6508..6615, 7075..7173		

Seq. No.	18227	Seq. ID	OJ991026_06.0218.C4
Gene No.	38185	Strand	-
Start	8798	End	10742
Name	OJ991026_06.0218.C4.o4.gs	Method	GENSCAN
Start	8798	End	10742
GI	none	Score	.66
Exons	8798..8816, 8888..8933, 9586..9739, 9873..10742		

Seq. No.	18227	Seq. ID	OJ991026_06.0218.C4
Gene No.	38185	Strand	-
Start	8798	End	10742
Name	OJ991026_06.0218.C4.o1.tm	Method	TBLASTX:Maize
Start	9585	End	9927
GI	none	Score	365
Exons	9585..9695, 9672..9926, 9673..9927, 9679..9927		

Seq. No.	18227	Seq. ID	OJ991026_06.0218.C4
Gene No.	38185	Strand	-
Start	8798	End	10742
Name	OJ991026_06.0218.C4.o2.np	Method	AAT/NAP
Start	9717	End	10505
GI	1652104	Score	685
Exons	9717..10505		
GI Descrip.	(D90902) hypothetical protein [Synechocystis sp.]		

Seq. No.	18227	Seq. ID	OJ991026_06.0218.C4
Gene No.	38185	Strand	-
Start	8798	End	10742
Name	OJ991026_06.0218.C4.o1.ts	Method	TBLASTX:Soybean
Start	9807	End	10472
GI	none	Score	190

Exons	9807..10472, 9808..10041, 10108..10377		
Seq. No.	18228	Seq. ID	OJ991026_06.0218.C5
Gene No.	38186	Strand	-
Start	2422	End	3400
Name	OJ991026_06.0218.C5.o2.gs	Method	GENSCAN
Start	2422	End	3400
GI	none	Score	.77
Exons	2422..2679, 2767..2888, 3342..3400		
Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38187	Strand	+
Start	2907	End	3068
Name	OJ991026_06.0218.C6.o1.gp	Method	AAT/GAP
Start	2907	End	3068
GI	5667165	Score	286
Exons	2907..3068		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38188	Strand	+
Start	4813	End	5481
Name	OJ991026_06.0218.C6.o2.gp	Method	AAT/GAP
Start	4813	End	5481
GI	5803303	Score	1252
Exons	4813..5481		
Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38189	Strand	+
Start	8273	End	9189
Name	OJ991026_06.0218.C6.o2.gs	Method	GENSCAN
Start	8273	End	9189
GI	none	Score	.44
Exons	8273..8380, 9034..9189		
Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38190	Strand	-
Start	513	End	7990
Name	OJ991026_06.0218.C6.o1.np	Method	AAT/NAP
Start	513	End	5831
GI	4580990	Score	776
Exons	513..987, 1015..1236, 3703..4663, 5754..5831		
GI Descrip.	(AF120335) putative transposase [Arabidopsis thaliana]		
Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38190	Strand	-
Start	513	End	7990
Name	OJ991026_06.0218.C6.o1.gs	Method	GENSCAN
Start	1515	End	7990
GI	none	Score	.8
Exons	1515..1588, 2108..2249, 3342..3409, 3724..3917, 3963..5113, 5472..5587, 6964..7108, 7141..7241, 7409..7451, 7675..7728, 7940..7990		
Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38191	Strand	-

Start	9740	End	10675
Name	OJ991026_06.0218.C6.o2.np	Method	AAT/NAP
Start	9735	End	10528
GI	2346970	Score	238
Exons	9735..10032, 10081..10528		
GI Descrip.	(AB006597) ZPT2-10 [Petunia x hybrida]		

Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38191	Strand	-
Start	9740	End	10675
Name	OJ991026_06.0218.C6.o3.gs	Method	GENSCAN
Start	9740	End	10675
GI	none	Score	.85
Exons	9740..10675		

Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38192	Strand	-
Start	12928	End	13391
Name	OJ991026_06.0218.C6.o2.ts	Method	TBLASTX:Soybean
Start	608	End	817
GI	none	Score	195
Exons	608..817		

Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38192	Strand	-
Start	12928	End	13391
Name	OJ991026_06.0218.C6.o1.tm	Method	TBLASTX:Maize
Start	614	End	4444
GI	none	Score	168
Exons	614..733, 692..823, 1088..1174, 1181..1240, 3755..4249, 4232..4444		

Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38192	Strand	-
Start	12928	End	13391
Name	OJ991026_06.0218.C6.o1.ts	Method	TBLASTX:Soybean
Start	4193	End	4660
GI	none	Score	118
Exons	4193..4465, 4478..4660		

Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38192	Strand	-
Start	12928	End	13391
Name	OJ991026_06.0218.C6.o2.tm	Method	TBLASTX:Maize
Start	4454	End	4666
GI	none	Score	80
Exons	4454..4666, 4496..4666		

Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38192	Strand	-
Start	12928	End	13391
Name	OJ991026_06.0218.C6.o3.ts	Method	TBLASTX:Soybean
Start	9770	End	10687
GI	none	Score	58
Exons	9770..9829, 9771..9830, 9887..9964, 9893..9961, 9900..9962, 10085..10159, 10085..10156, 10097..10165, 10277..10384, 10382..10483, 10604..10687, 10604..10660		

Seq. No.	18229	Seq. ID	OJ991026_06.0218.C6
Gene No.	38192	Strand	-
Start	12928	End	13391
Name	OJ991026_06.0218.C6.o4.gs	Method	GENSCAN
Start	12928	End	13391
GI	none	Score	.89
Exons	12928..13153, 13189..13391		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38193	Strand	+
Start	5974	End	7165
Name	OJ991026_06.0218.C7.o2.gs	Method	GENSCAN
Start	5974	End	7165
GI	none	Score	.56
Exons	5974..6137, 6658..6840, 7012..7165		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38194	Strand	-
Start	2284	End	3960
Name	OJ991026_06.0218.C7.o1.gs	Method	GENSCAN
Start	2284	End	3960
GI	none	Score	.99
Exons	2284..3960		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38194	Strand	-
Start	2284	End	3960
Name	OJ991026_06.0218.C7.o1.np	Method	AAT/NAP
Start	2299	End	3942
GI	1786142	Score	591
Exons	2299..2829, 2968..3689, 3744..3942		
GI Descrip.	(AB000455) PEThy;ZPT4-1 [Petunia x hybrida]		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38195	Strand	-
Start	7666	End	8345
Name	OJ991026_06.0218.C7.o2.np	Method	AAT/NAP
Start	7666	End	8345
GI	4895243	Score	446
Exons	7666..8345		
GI Descrip.	(AC007659) putative PREG1-like negative regulator [Arabidopsis thaliana]		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38196	Strand	-
Start	11845	End	15649
Name	OJ991026_06.0218.C7.o2.tc	Method	TBLASTX:Cress
Start	7784	End	8284
GI	none	Score	56
Exons	7784..8002, 8042..8122, 8201..8284		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38196	Strand	-
Start	11845	End	15649
Name	OJ991026_06.0218.C7.o4.np	Method	AAT/NAP
Start	11845	End	15649

GI	6721547	Score	115
Exons	11845..11899, 15546..15649		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38196	Strand	-
Start	11845	End	15649
Name	OJ991026_06.0218.C7.o1.ts	Method	TBLASTX:Soybean
Start	13451	End	14421
GI	none	Score	80
Exons	13451..13549, 13452..13571, 13544..13585, 13586..13762, 13605..13757, 13827..13883, 13883..13981, 14006..14080, 14007..14072, 14151..14267, 14152..14271, 14365..14421		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38196	Strand	-
Start	11845	End	15649
Name	OJ991026_06.0218.C7.o3.np	Method	AAT/NAP
Start	13454	End	14562
GI	1076486	Score	593
Exons	13454..13784, 13884..14077, 14154..14266, 14367..14562		
GI Descrip.	ciml protein - soybean gi\|555616 (U03860) cytokinin induced message [Glycine max]		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38196	Strand	-
Start	11845	End	15649
Name	OJ991026_06.0218.C7.o1.tm	Method	TBLASTX:Maize
Start	13457	End	14425
GI	none	Score	107
Exons	13457..13651, 13461..13652, 13646..13765, 13647..13763, 13664..13765, 13877..14080, 13878..14057, 14149..14271, 14151..14267, 14365..14424, 14387..14425		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38196	Strand	-
Start	11845	End	15649
Name	OJ991026_06.0218.C7.o1.tw	Method	TBLASTX:Wheat
Start	13457	End	13981
GI	none	Score	61
Exons	13457..13576, 13506..13568, 13589..13663, 13590..13646, 13646..13765, 13667..13753, 13872..13979, 13877..13981		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38196	Strand	-
Start	11845	End	15649
Name	OJ991026_06.0218.C7.o1.gp	Method	AAT/GAP
Start	13998	End	14594
GI	428816	Score	741
Exons	13998..14077, 14154..14266, 14367..14594		
GI Descrip.	2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]		

Seq. No.	18230	Seq. ID	OJ991026_06.0218.C7
Gene No.	38196	Strand	-
Start	11845	End	15649
Name	OJ991026_06.0218.C7.o1.tc	Method	TBLASTX:Cress

Start	14006	End	14421
GI	none	Score	45
Exons	14006..14080, 14007..14072, 14151..14267, 14152..14271, 14365..14421		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38197	Strand	+
Start	39	End	1245
Name	OJ991026_06.0218.C9.o1.gs	Method	GENSCAN
Start	39	End	1245
GI	none	Score	.83
Exons	39..103, 320..439, 972..1245		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38198	Strand	+
Start	11801	End	13386
Name	OJ991026_06.0218.C9.o3.np	Method	AAT/NAP
Start	11801	End	13386
GI	3193328	Score	476
Exons	11801..12272, 12415..12480, 13281..13386		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38199	Strand	+
Start	21493	End	22646
Name	OJ991026_06.0218.C9.o6.gs	Method	GENSCAN
Start	21493	End	22646
GI	none	Score	.62
Exons	21493..21590, 21741..21986, 22475..22646		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38200	Strand	-
Start	2481	End	3991
Name	OJ991026_06.0218.C9.o2.gs	Method	GENSCAN
Start	2481	End	3965
GI	none	Score	.98
Exons	2481..2805, 3058..3251, 3597..3709, 3803..3965		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38200	Strand	-
Start	2481	End	3991
Name	OJ991026_06.0218.C9.o1.np	Method	AAT/NAP
Start	2506	End	3991
GI	6686395	Score	596
Exons	2506..2805, 3058..3251, 3597..3709, 3803..3991		
GI Descrip.	(AC007234) F1E22.6 [Arabidopsis thaliana]		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38201	Strand	-
Start	4817	End	5607
Name	OJ991026_06.0218.C9.o3.gs	Method	GENSCAN
Start	4817	End	5607
GI	none	Score	.61
Exons	4817..4904, 4922..5238, 5488..5607		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-

Start	6089	End	11552
Name	OJ991026_06.0218.C9.o1.tw	Method	TBLASTX:Wheat
Start	2478	End	3156
GI	none	Score	115
Exons	2478..2657, 2484..2681, 2661..2804, 2686..2808, 3057..3155, 3057..3155, 3067..3156		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o2.tm	Method	TBLASTX:Maize
Start	2481	End	2805
GI	none	Score	176
Exons	2481..2657, 2484..2672, 2485..2712, 2652..2804, 2664..2804, 2665..2805		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o2.ts	Method	TBLASTX:Soybean
Start	2484	End	3864
GI	none	Score	83
Exons	2484..2573, 2485..2574, 2538..2804, 2572..2808, 3057..3155, 3082..3153, 3180..3257, 3181..3252, 3595..3711, 3603..3710, 3801..3863, 3802..3864		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o4.tm	Method	TBLASTX:Maize
Start	3035	End	3257
GI	none	Score	81
Exons	3035..3127, 3047..3163, 3052..3252, 3057..3257		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o3.tm	Method	TBLASTX:Maize
Start	3601	End	3933
GI	none	Score	164
Exons	3601..3708, 3603..3710, 3604..3711, 3801..3932, 3802..3933		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o1.gp	Method	AAT/GAP
Start	5818	End	6096
GI	6067_1.R1084	Score	521
Exons	5818..6096		
GI Descrip.	'287938/emb\|X54204\|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o1.tc	Method	TBLASTX:Cress
Start	5996	End	11502

GI	none	Score	109
Exons	5996..6178, 6036..6173, 6219..6350, 6247..6378, 6918..7022, 6920..7024, 7098..7229, 7098..7196, 7100..7231, 7706..7810, 7718..7825, 7719..7832, 7881..8054, 7918..8055, 7933..8058, 8176..8352, 8252..8353, 8253..8339, 8757..8855, 8761..8856, 9081..9305, 9082..9297, 9083..9307, 9084..9302, 10079..10180, 10080..10178, 10249..10314, 10256..10309, 10412..10480, 10416..10469, 10576..10662, 10582..10668, 10745..10834, 10749..10850, 10765..10848, 11233..11301, 11431..11502, 11436..11501		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o2.gp	Method	AAT/GAP
Start	6055	End	8862
GI	532_1.R1084	Score	1417
Exons	6055..6172, 6258..6348, 6918..7021, 7101..7229, 7721..7825, 7920..8054, 8255..8341, 8757..8862		
GI Descrip.	'287938/emb\|X54204\|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o1.tm	Method	TBLASTX:Maize
Start	6083	End	11552
GI	none	Score	116
Exons	6083..6175, 6084..6176, 6092..6178, 6218..6346, 6219..6350, 6247..6354, 6259..6357, 6918..7022, 6919..6969, 6920..7024, 6968..7015, 7089..7196, 7090..7197, 7097..7228, 7101..7229, 7718..7825, 7719..7832, 7881..8054, 7912..8055, 7923..8147, 8250..8351, 8252..8353, 8253..8354, 8757..8855, 8757..8855, 8758..8856, 9081..9305, 9082..9300, 9084..9302, 9702..9797, 9732..9773, 10079..10180, 10080..10178, 10081..10179, 10082..10180, 10249..10323, 10255..10314, 10256..10330, 10256..10357, 10412..10480, 10416..10475, 10418..10480, 10576..10662, 10588..10665, 10614..10664, 10745..10834, 10749..10850, 10750..10848, 11233..11301, 11237..11302, 11431..11502, 11436..11552		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o1.ts	Method	TBLASTX:Soybean
Start	6089	End	11501
GI	none	Score	96
Exons	6089..6178, 6093..6173, 6219..6350, 6247..6378, 6259..6354, 6918..7022, 6920..7024, 7089..7196, 7090..7197, 7098..7223, 7099..7197, 7694..7810, 7701..7808, 7718..7825, 7719..7832, 7917..8054, 7918..8055, 8182..8334, 8250..8339, 8252..8353, 8253..8339, 8261..8347, 8757..8855, 8757..8855, 8767..8856, 8771..8863, 9081..9305, 9082..9297, 9732..9773, 9769..9807, 10079..10180, 10080..10178, 10081..10179, 10249..10314, 10256..10309, 10258..10329, 10412..10480, 10416..10469, 10576..10662, 10594..10665, 10745..10834, 10749..10850, 11233..11301, 11237..11302, 11436..11501, 11437..11490		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o4.gs	Method	GENSCAN
Start	6089	End	11507
GI	none	Score	.9
Exons	6089..6172, 6258..6348, 6918..7021, 7101..7229, 7721..7825, 7920..8054, 8757..8853, 9082..9299, 9732..9797, 10082..10177, 10258..10308, 10418..10477, 10576..10662, 10751..10840, 11236..11300, 11435..11507		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o2.np	Method	AAT/NAP
Start	6092	End	11507
GI	135535	Score	1905
Exons	6092..6172, 6258..6348, 6918..7021, 7101..7229, 7721..7825, 7920..8054, 8255..8341, 8757..8853, 9082..9299, 9732..9797, 10082..10177, 10258..10308, 10418..10477, 10576..10662, 10751..10840, 11236..11300, 11435..11507		
GI Descrip.	T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) gi\|322602\|pir\|\|JN0448 t-complex polypeptide Tcp-1 - Arabidopsis thaliana gi\|217871\|dbj\|BAA01955\| (D11351) t-complex polypeptide 1 homologue [Arabidopsis thaliana] gi\|2326265\|dbj\|BAA21772\| (D11352) CCT alpha/TCP-1 [Arabidopsis thaliana]		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38202	Strand	-
Start	6089	End	11552
Name	OJ991026_06.0218.C9.o2.tw	Method	TBLASTX:Wheat
Start	6918	End	7997
GI	none	Score	63
Exons	6918..7022, 6918..7022, 6920..7024, 6971..7024, 7096..7197, 7098..7196, 7100..7231, 7718..7819, 7718..7825, 7719..7832, 7912..7947, 7917..7946, 7947..7997		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38203	Strand	
Start	11911	End	12273
Name	OJ991026_06.0218.C9.o2.tc	Method	TBLASTX:Cress
Start	11911	End	12273
GI	none	Score	87
Exons	11911..12051, 12028..12273, 12048..12272		

Seq. No.	18231	Seq. ID	OJ991026_06.0218.C9
Gene No.	38203	Strand	
Start	11911	End	12273
Name	OJ991026_06.0218.C9.o3.ts	Method	TBLASTX:Soybean
Start	11911	End	12200
GI	none	Score	126
Exons	11911..12051, 12012..12200, 12013..12198		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38204	Strand	+
Start	679	End	6723

Name	OJ991026_06.0218.C10.o1.gs	Method	GENSCAN
Start	679	End	6723
GI	none	Score	.48
Exons	679..703, 5740..5802, 6704..6723		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38205	Strand	+
Start	10409	End	10810
Name	OJ991026_06.0218.C10.o3.gs	Method	GENSCAN
Start	10409	End	10810
GI	none	Score	.73
Exons	10409..10810		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38206	Strand	+
Start	12742	End	20033
Name	OJ991026_06.0218.C10.o4.gs	Method	GENSCAN
Start	12742	End	16533
GI	none	Score	.75
Exons	12742..12936, 13295..13334, 13520..13596, 13674..13762, 14008..14197, 14661..14842, 14967..15069, 15307..15410, 15543..15635, 15851..15953, 16411..16533		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38206	Strand	+
Start	12742	End	20033
Name	OJ991026_06.0218.C10.o1.np	Method	AAT/NAP
Start	13016	End	20033
GI	2245020	Score	1377
Exons	13016..13052, 13520..13596, 13674..13762, 14008..14197, 14661..14842, 14967..15069, 15307..15635, 15851..16093, 19899..20033		
GI Descrip.	(Z97341) growth regulator like protein [Arabidopsis thaliana]		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38206	Strand	+
Start	12742	End	20033
Name	OJ991026_06.0218.C10.o1.gp	Method	AAT/GAP
Start	13317	End	14832
GI	4715473	Score	1089
Exons	13317..13422, 13520..13596, 13674..13762, 14008..14197, 14661..14832		
GI Descrip.	2245020/emb\|CAB10440.1\| 1.0e-40 (Z97341) growth regulator like protein [Arabidopsis thaliana]		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38207	Strand	-
Start	7316	End	10053
Name	OJ991026_06.0218.C10.o2.gs	Method	GENSCAN
Start	7316	End	10053
GI	none	Score	.75
Exons	7316..7809, 9437..9564, 9647..10053		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38208	Strand	-
Start	16321	End	16591
Name	OJ991026_06.0218.C10.o2.gp	Method	AAT/GAP

Start	16321	End	16591
GI	4715474	Score	499
Exons	16321..16591		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o3.ts	Method	TBLASTX:Soybean
Start	9477	End	9786
GI	none	Score	68
Exons	9477..9566, 9646..9786, 9650..9733		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o2.tc	Method	TBLASTX:Cress
Start	9480	End	9786
GI	none	Score	41
Exons	9480..9566, 9523..9567, 9646..9786, 9650..9748		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o3.tm	Method	TBLASTX:Maize
Start	9498	End	9831
GI	none	Score	147
Exons	9498..9566, 9644..9811, 9646..9831		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o4.tm	Method	TBLASTX:Maize
Start	12787	End	12947
GI	none	Score	242
Exons	12787..12942, 12816..12947		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o2.ts	Method	TBLASTX:Soybean
Start	13356	End	16049
GI	none	Score	65
Exons	13356..13421, 13549..13599, 13551..13604, 13673..13762, 13674..13757, 14005..14085, 14006..14086, 14120..14194, 14631..14846, 14962..15066, 15303..15557, 15328..15504, 15336..15509, 15510..15635, 15511..15636, 15517..15636, 15519..15647, 15843..15902, 15845..15937, 15849..16049		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o3.tc	Method	TBLASTX:Cress
Start	14736	End	15636
GI	none	Score	78
Exons	14736..14822, 14962..15051, 15307..15513, 15309..15449, 15535..15636, 15537..15629		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o2.tm	Method	TBLASTX:Maize
Start	15328	End	15995
GI	none	Score	219
Exons	15328..15513, 15330..15497, 15469..15639, 15510..15644, 15511..15639, 15524..15640, 15531..15674, 15833..15964, 15846..15986, 15849..15995		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o4.tc	Method	TBLASTX:Cress
Start	15849	End	16049
GI	none	Score	210
Exons	15849..16049		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o2.np	Method	AAT/NAP
Start	17064	End	19767
GI	2341034	Score	1117
Exons	17064..17155, 17237..17348, 17438..17573, 17649..17926, 19203..19378, 19457..19615, 19725..19767		
GI Descrip.	(AC000104) F19P19.13 [Arabidopsis thaliana]		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o5.gs	Method	GENSCAN
Start	17064	End	19995
GI	none	Score	.93
Exons	17064..17155, 17237..17348, 17438..17573, 17649..17926, 18435..18509, 18688..18822, 19065..19378, 19457..19615, 19725..19840, 19961..19995		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o1.tc	Method	TBLASTX:Cress
Start	17065	End	19761
GI	none	Score	55
Exons	17065..17157, 17067..17156, 17224..17349, 17235..17351, 17438..17563, 17442..17543, 17648..17929, 17649..17936, 19189..19380, 19200..19379, 19455..19619, 19456..19641, 19475..19621, 19723..19761		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o1.tm	Method	TBLASTX:Maize
Start	17067	End	19761
GI	none	Score	111
Exons	17067..17156, 17200..17349, 17235..17351, 17438..17572, 17442..17543, 17648..17929, 17649..17936, 19189..19380,		

19200..19379, 19455..19619, 19456..19641, 19723..19761

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o1.tw	Method	TBLASTX:Wheat
Start	17067	End	19761
GI	none	Score	102
Exons	17067..17156, 17200..17349, 17235..17351, 17438..17572, 17442..17543, 17648..17929, 17649..17936, 17841..17939, 17845..17940, 19189..19380, 19200..19379, 19455..19619, 19456..19641, 19723..19761		

Seq. No.	18232	Seq. ID	OJ991026_06.0218.C10
Gene No.	38209	Strand	-
Start	17064	End	19995
Name	OJ991026_06.0218.C10.o1.ts	Method	TBLASTX:Soybean
Start	17067	End	19761
GI	none	Score	124
Exons	17067..17156, 17224..17352, 17235..17351, 17438..17572, 17442..17543, 17648..17929, 17655..17936, 19189..19305, 19200..19304, 19305..19379, 19306..19380, 19455..19619, 19456..19641, 19723..19761		

Seq. No.	18233	Seq. ID	OJ991026_06.0218.C13
Gene No.	38210	Strand	+
Start	179	End	1061
Name	OJ991026_06.0218.C13.o1.np	Method	AAT/NAP
Start	179	End	1061
GI	6721547	Score	73
Exons	179..263, 1020..1061		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	18234	Seq. ID	OJ991026_06.0218.C14
Gene No.	38211	Strand	+
Start	1	End	179
Name	OJ991026_06.0218.C14.o1.gp	Method	AAT/GAP
Start	1	End	179
GI	5667374	Score	322
Exons	1..179		

Seq. No.	18234	Seq. ID	OJ991026_06.0218.C14
Gene No.	38212	Strand	+
Start	208	End	1222
Name	OJ991026_06.0218.C14.o1.np	Method	AAT/NAP
Start	208	End	1222
GI	6715726	Score	316
Exons	208..384, 556..665, 813..908, 1168..1222		
GI Descrip.	(AC016447) unknown protein [Arabidopsis thaliana]		

Seq. No.	18235	Seq. ID	OJ991026_06.0218.C15
Gene No.	38213	Strand	+
Start	65	End	244
Name	OJ991026_06.0218.C15.o1.gs	Method	GENSCAN
Start	65	End	244
GI	none	Score	.95
Exons	65..244		

Seq. No.	18236	Seq. ID	OJ991026_09.0222.C2
Gene No.	38214	Strand	+
Start	338	End	610
Name	OJ991026_09.0222.C2.o1.gs	Method	GENSCAN
Start	338	End	610
GI	none	Score	.5
Exons	338..610		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38215	Strand	+
Start	816	End	947
Name	OJ991026_09.0222.C3.o1.gs	Method	GENSCAN
Start	816	End	947
GI	none	Score	.48
Exons	816..947		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38216	Strand	+
Start	3888	End	5133
Name	OJ991026_09.0222.C3.o2.gp	Method	AAT/GAP
Start	3888	End	4519
GI	10494_1.R1084	Score	322
Exons	3888..4005, 4159..4208, 4455..4519		
GI Descrip.	'5730046/ref\|NM_006632.1\|SLC17A3\| 1.0e-09 Homo sapiens solute carrier family 17 (sodium phosphate), member 3 (SLC17A3) mRNA >gi_2062691_gb_U90545_HSU90545 Human sodium phosphate transporter (NPT4) mRNA, complete cds'		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38216	Strand	+
Start	3888	End	5133
Name	OJ991026_09.0222.C3.o4.gp	Method	AAT/GAP
Start	4160	End	5059
GI	none	Score	1128
Exons	4160..4519, 4773..5059		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38216	Strand	+
Start	3888	End	5133
Name	OJ991026_09.0222.C3.o5.gp	Method	AAT/GAP
Start	4408	End	5133
GI	10494_1.R1084	Score	642
Exons	4408..4519, 4773..5133		
GI Descrip.	'5730046/ref\|NM_006632.1\|SLC17A3\| 1.0e-09 Homo sapiens solute carrier family 17 (sodium phosphate), member 3 (SLC17A3) mRNA >gi_2062691_gb_U90545_HSU90545 Human sodium phosphate transporter (NPT4) mRNA, complete cds'		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38217	Strand	+
Start	11417	End	11642
Name	OJ991026_09.0222.C3.o4.gs	Method	GENSCAN
Start	11417	End	11642
GI	none	Score	.68
Exons	11417..11570, 11617..11642		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38218	Strand	+
Start	12272	End	18741
Name	OJ991026_09.0222.C3.o5.gs	Method	GENSCAN
Start	12272	End	18461
GI	none	Score	.45
Exons	12272..12677, 12950..13039, 16025..16830, 17398..17549, 18351..18461		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38218	Strand	+
Start	12272	End	18741
Name	OJ991026_09.0222.C3.o2.np	Method	AAT/NAP
Start	15162	End	18741
GI	4883421	Score	555
Exons	15162..15203, 17435..17616, 17652..17794, 17895..18089, 18504..18741		
GI Descrip.	(AL031986) DNA-directed RNA polymerase (EC 2.7.7.6) II largest chain [Arabidopsis thaliana]		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38219	Strand	-
Start	1	End	2787
Name	OJ991026_09.0222.C3.o1.np	Method	AAT/NAP
Start	1	End	2223
GI	6630696	Score	3846
Exons	1..2223		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38219	Strand	-
Start	1	End	2787
Name	OJ991026_09.0222.C3.o2.gs	Method	GENSCAN
Start	1217	End	2787
GI	none	Score	.82
Exons	1217..1365, 1476..2787		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38219	Strand	-
Start	1	End	2787
Name	OJ991026_09.0222.C3.o1.gp	Method	AAT/GAP
Start	1291	End	2181
GI	101595_1.R1084	Score	1455
Exons	1291..1365, 1481..2181		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38220	Strand	-
Start	4013	End	4107
Name	OJ991026_09.0222.C3.o3.gp	Method	AAT/GAP
Start	4013	End	4107
GI	LIB3477-003-P1-K1-E9	Score	113
Exons	4013..4107		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38221	Strand	-
Start	5252	End	10728
Name	OJ991026_09.0222.C3.o1.tw	Method	TBLASTX:Wheat
Start	2	End	586
GI	none	Score	46
Exons	2..94, 4..93, 118..372, 121..579, 128..586, 179..586		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38221	Strand	-
Start	5252	End	10728
Name	OJ991026_09.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	244	End	642
GI	none	Score	112
Exons	244..417, 421..642, 425..640		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38221	Strand	-
Start	5252	End	10728
Name	OJ991026_09.0222.C3.o3.tm	Method	TBLASTX:Maize
Start	430	End	894
GI	none	Score	82
Exons	430..894, 437..655		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38221	Strand	-
Start	5252	End	10728
Name	OJ991026_09.0222.C3.o3.tw	Method	TBLASTX:Wheat
Start	587	End	787
GI	none	Score	232
Exons	587..787, 587..784, 589..786		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38221	Strand	-
Start	5252	End	10728
Name	OJ991026_09.0222.C3.o2.ts	Method	TBLASTX:Soybean
Start	652	End	1032
GI	none	Score	88
Exons	652..900, 883..1032		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38221	Strand	-
Start	5252	End	10728
Name	OJ991026_09.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	980	End	1389
GI	none	Score	49
Exons	980..1072, 982..1065, 1073..1369, 1076..1366, 1078..1389		

Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38221	Strand	-
Start	5252	End	10728
Name	OJ991026_09.0222.C3.o2.tm	Method	TBLASTX:Maize
Start	1873	End	2181
GI	none	Score	124

Exons	1873..2181, 1876..2052, 1938..2081, 1952..2134		
Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38221	Strand	-
Start	5252	End	10728
Name	OJ991026_09.0222.C3.o2.tw	Method	TBLASTX:Wheat
Start	1932	End	2329
GI	none	Score	160
Exons	1932..2114, 1933..2217, 1952..2143, 2194..2328, 2231..2329		
Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38221	Strand	-
Start	5252	End	10728
Name	OJ991026_09.0222.C3.o3.gs	Method	GENSCAN
Start	5252	End	10728
GI	none	Score	.63
Exons	5252..5368, 5405..5556, 5674..5981, 7791..8148, 8168..8483, 8768..8959, 10094..10236, 10326..10728		
Seq. No.	18237	Seq. ID	OJ991026_09.0222.C3
Gene No.	38221	Strand	-
Start	5252	End	10728
Name	OJ991026_09.0222.C3.o6.gp	Method	AAT/GAP
Start	6153	End	6313
GI	none	Score	196
Exons	6153..6313		
Seq. No.	18238	Seq. ID	OJ991026_09.0222.C4
Gene No.	38222	Strand	+
Start	378	End	522
Name	OJ991026_09.0222.C4.o1.gs	Method	GENSCAN
Start	378	End	522
GI	none	Score	.88
Exons	378..522		
Seq. No.	18239	Seq. ID	OJ991026_09.0222.C5
Gene No.	38223	Strand	+
Start	1	End	869
Name	OJ991026_09.0222.C5.o1.np	Method	AAT/NAP
Start	1	End	869
GI	6403497	Score	409
Exons	1..470, 560..676, 811..869		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana]		
Seq. No.	18239	Seq. ID	OJ991026_09.0222.C5
Gene No.	38223	Strand	+
Start	1	End	869
Name	OJ991026_09.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	327	End	869
GI	none	Score	249
Exons	327..470, 327..476, 328..471, 329..487, 534..620, 543..584, 557..676, 557..670, 559..675, 794..868, 801..869, 810..869		
Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o1.np	Method	AAT/NAP

Start	1	End	5109
GI	6403497	Score	3012
Exons	1..201, 299..443, 526..604, 737..838, 1181..1264, 1368..1478, 1575..1931, 1977..2188, 2301..2425, 2453..2919, 2957..3362, 3468..3591, 3689..3813, 3895..4034, 4134..4235, 4316..4401, 4553..4637, 4771..5109		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana]		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	47	End	454
GI	none	Score	239
Exons	47..199, 48..200, 178..201, 297..443, 298..444, 304..447, 323..454		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o4.tm	Method	TBLASTX:Maize
Start	300	End	840
GI	none	Score	133
Exons	300..443, 300..443, 301..444, 304..447, 525..602, 525..602, 526..603, 527..604, 734..835, 734..838, 736..840		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o1.gs	Method	GENSCAN
Start	539	End	9450
GI	none	Score	.82
Exons	539..604, 1181..1264, 1368..1539, 1654..1928, 2008..2188, 2301..2912, 3032..3358, 3471..3591, 3689..3813, 3895..4034, 4134..4235, 4316..4401, 4553..4637, 4771..5103, 5685..5725, 5801..5856, 7507..7766, 8383..9450		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o2.tm	Method	TBLASTX:Maize
Start	1179	End	1852
GI	none	Score	126
Exons	1179..1265, 1180..1266, 1183..1263, 1184..1273, 1338..1478, 1353..1478, 1572..1799, 1573..1845, 1574..1831, 1578..1841, 1810..1851, 1823..1852		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o2.ts	Method	TBLASTX:Soybean
Start	1572	End	1819
GI	none	Score	321
Exons	1572..1799, 1572..1817, 1573..1818, 1574..1819		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+

Start	1	End	10155
Name	OJ991026_09.0222.C6.o7.tm	Method	TBLASTX:Maize
Start	1858	End	2151
GI	none	Score	62
Exons	1858..1929, 1859..1930, 1860..1931, 2007..2057, 2007..2057, 2021..2149, 2050..2151, 2127..2150		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o5.ts	Method	TBLASTX:Soybean
Start	2023	End	2512
GI	none	Score	43
Exons	2023..2064, 2098..2187, 2148..2186, 2236..2406, 2300..2422, 2309..2410, 2489..2512		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o6.tm	Method	TBLASTX:Maize
Start	2151	End	2554
GI	none	Score	40
Exons	2151..2183, 2151..2183, 2152..2187, 2292..2411, 2293..2412, 2300..2419, 2300..2410, 2414..2464, 2420..2554, 2421..2468, 2433..2549, 2464..2553		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o3.ts	Method	TBLASTX:Soybean
Start	2569	End	3149
GI	none	Score	41
Exons	2569..2622, 2569..2622, 2624..2797, 2681..2797, 2876..2920, 2878..2913, 3030..3149, 3031..3141		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o3.tm	Method	TBLASTX:Maize
Start	2611	End	3153
GI	none	Score	293
Exons	2611..2850, 2621..2851, 2861..2926, 2863..2913, 2865..2915, 3030..3152, 3031..3153		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	3153	End	5103
GI	none	Score	155
Exons	3153..3359, 3153..3359, 3193..3381, 3467..3604, 3472..3588, 3473..3589, 3686..3814, 3687..3764, 3687..3815, 3688..3816, 3688..3816, 3896..4033, 3897..4034, 4130..4207, 4134..4244, 4134..4226, 4135..4227, 4305..4400, 4309..4401, 4315..4407, 4537..4638, 4550..4636, 4551..4682, 4572..4682, 4756..5103, 4770..5099		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o6.ts	Method	TBLASTX:Soybean
Start	3247	End	4812
GI	none	Score	79
Exons	3247..3363, 3519..3587, 3520..3588, 3521..3592, 3684..3800, 3687..3764, 3691..3813, 3865..3972, 3896..3979, 3897..4001, 3992..4033, 4002..4034, 4130..4195, 4133..4243, 4134..4244, 4289..4381, 4317..4400, 4319..4399, 4550..4627, 4554..4676, 4762..4812		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o1.gp	Method	AAT/GAP
Start	3312	End	4187
GI	uC-osflcyp122e07b1	Score	882
Exons	3312..3358, 3471..3591, 3689..3813, 3895..4034, 4134..4187		
GI Descrip.	'2344887 3.0e-30 (AC002388) unknown protein [Arabidopsis thaliana] >gi_4895253_gb_AAD32838.1_AC007659_20 (AC007659) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o2.gp	Method	AAT/GAP
Start	5209	End	5741
GI	none	Score	1017
Exons	5209..5741		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o3.gp	Method	AAT/GAP
Start	5759	End	6218
GI	2443141	Score	892
Exons	5759..6218		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o5.gp	Method	AAT/GAP
Start	7036	End	7776
GI	21305_1.R1084	Score	711
Exons	7036..7171, 7507..7776		
GI Descrip.	'2160163 8.0e-25 (AC000132) No definition line found [Arabidopsis thaliana]'		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o5.tm	Method	TBLASTX:Maize
Start	7480	End	10027
GI	none	Score	128
Exons	7480..7695, 7500..7742, 7505..7750, 7506..7721, 7508..7756, 9939..10022, 9943..10026, 9944..10027, 9944..10021, 9945..10025		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o2.np	Method	AAT/NAP
Start	7482	End	10155
GI	2160163	Score	439
Exons	7482..7769, 9943..10155		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o4.ts	Method	TBLASTX:Soybean
Start	7492	End	7697
GI	none	Score	278
Exons	7492..7692, 7508..7696, 7509..7697		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o8.tm	Method	TBLASTX:Maize
Start	8581	End	8784
GI	none	Score	102
Exons	8581..8781, 8582..8782, 8587..8784		

Seq. No.	18240	Seq. ID	OJ991026_09.0222.C6
Gene No.	38224	Strand	+
Start	1	End	10155
Name	OJ991026_09.0222.C6.o7.ts	Method	TBLASTX:Soybean
Start	9936	End	10143
GI	none	Score	60
Exons	9936..10007, 9936..10007, 9937..10026, 10048..10143, 10053..10142		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38225	Strand	+
Start	90	End	974
Name	OJ991026_09.0222.C7.o1.gs	Method	GENSCAN
Start	90	End	620
GI	none	Score	.99
Exons	90..620		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38225	Strand	+
Start	90	End	974
Name	OJ991026_09.0222.C7.o1.gp	Method	AAT/GAP
Start	465	End	974
GI	2800564	Score	725
Exons	465..974		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38226	Strand	+
Start	3524	End	7049
Name	OJ991026_09.0222.C7.o2.np	Method	AAT/NAP
Start	3524	End	7049
GI	6016696	Score	345

Exons	3524..3610, 4328..4443, 4658..5278, 7016..7049		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		
Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38226	Strand	+
Start	3524	End	7049
Name	OJ991026_09.0222.C7.o3.gs	Method	GENSCAN
Start	4580	End	6792
GI	none	Score	.6
Exons	4580..6166, 6775..6792		
Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38227	Strand	+
Start	8261	End	12151
Name	OJ991026_09.0222.C7.o4.gs	Method	GENSCAN
Start	8261	End	9736
GI	none	Score	1
Exons	8261..9736		
Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38227	Strand	+
Start	8261	End	12151
Name	OJ991026_09.0222.C7.o3.np	Method	AAT/NAP
Start	9091	End	12148
GI	6403507	Score	1590
Exons	9091..9111, 10418..12148		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana] gi\|6714383\|gb\|AAF26073.1\|AC012562_28 (AC012562) unknown protein [Arabidopsis thaliana]		
Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38227	Strand	+
Start	8261	End	12151
Name	OJ991026_09.0222.C7.o5.gs	Method	GENSCAN
Start	10214	End	12151
GI	none	Score	1
Exons	10214..12151		
Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38228	Strand	-
Start	1279	End	3663
Name	OJ991026_09.0222.C7.o2.gs	Method	GENSCAN
Start	1279	End	3663
GI	none	Score	.51
Exons	1279..3663		
Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38229	Strand	-
Start	6138	End	6504
Name	OJ991026_09.0222.C7.o2.gp	Method	AAT/GAP
Start	6138	End	6504
GI	none	Score	730
Exons	6138..6504		
Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169

Name	OJ991026_09.0222.C7.o8.tm	Method	TBLASTX:Maize
Start	10	End	614
GI	none	Score	34
Exons	10..54, 21..110, 37..111, 43..111, 125..352, 146..412, 153..215, 157..357, 158..364, 159..410, 159..371, 163..420, 163..414, 174..473, 176..478, 236..481, 240..614, 486..551		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	1282	End	12157
GI	none	Score	658
Exons	1282..1431, 11618..12157, 11623..11871, 11627..11917, 11956..12156		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o1.ts	Method	TBLASTX:Soybean
Start	1282	End	11926
GI	none	Score	71
Exons	1282..1650, 1418..1648, 11390..11926, 11422..11874, 11657..11878		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o3.tm	Method	TBLASTX:Maize
Start	1282	End	12106
GI	none	Score	451
Exons	1282..1479, 11558..12106, 11581..11817, 11657..11842		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	1525	End	11527
GI	none	Score	64
Exons	1525..1824, 2311..2583, 2470..2562, 2614..2955, 2875..3141, 3226..3438, 3340..3399, 10526..10759, 10712..11095, 10835..11092, 11011..11526, 11012..11527, 11240..11527		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o1.tw	Method	TBLASTX:Wheat
Start	1597	End	11457
GI	none	Score	71
Exons	1597..1767, 1597..1812, 1849..2031, 1853..1909, 2305..2667, 2626..2997, 2875..3177, 3226..3438, 3226..3264, 3283..3399, 10541..10762, 10561..10785, 10673..11095, 10828..11091, 11138..11455, 11332..11457		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o2.tc	Method	TBLASTX:Cress

Start	1618	End	11431
GI	none	Score	62
Exons	1618..1737, 1741..1812, 1840..2034, 1849..2193, 1972..2184, 2059..2163, 2206..2484, 2206..2337, 2359..2790, 2410..2640, 2713..2943, 2716..2820, 2983..3177, 3229..3408, 3322..3471, 3335..3406, 10472..10681, 10484..10684, 10541..10651, 10577..11014, 10715..10786, 10724..11005, 10843..11019, 10865..11314, 11018..11074, 11027..11323, 11140..11310, 11192..11395, 11309..11431		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o2.tm	Method	TBLASTX:Maize
Start	1834	End	2257
GI	none	Score	415
Exons	1834..2247, 1838..2257		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o4.ts	Method	TBLASTX:Soybean
Start	2206	End	11377
GI	none	Score	64
Exons	2206..2385, 2407..2496, 2710..2781, 2719..3102, 3002..3103, 3022..3177, 3226..3414, 3280..3390, 3340..3444, 10565..10948, 10868..11251, 10870..11250, 11171..11377		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o3.ts	Method	TBLASTX:Soybean
Start	4784	End	8731
GI	none	Score	189
Exons	4784..5017, 4831..5016, 8467..8727, 8483..8731		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o4.tm	Method	TBLASTX:Maize
Start	4921	End	9025
GI	none	Score	218
Exons	4921..5016, 4925..5089, 5102..5227, 5110..5229, 8632..8742, 8633..8728, 8663..8788, 8774..8836, 8813..9025, 8843..9022, 8875..9024		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o7.tm	Method	TBLASTX:Maize
Start	5350	End	9289
GI	none	Score	159
Exons	5350..5532, 5393..5536, 9116..9280, 9119..9289, 9136..9288		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169

Name	OJ991026_09.0222.C7.o3.tc	Method	TBLASTX:Cress
Start	5383	End	9289
GI	none	Score	197
Exons	5383..5553, 5384..5563, 9139..9288, 9140..9289		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o2.tw	Method	TBLASTX:Wheat
Start	5392	End	9463
GI	none	Score	200
Exons	5392..5556, 5393..5593, 5632..5682, 5666..5716, 9116..9280, 9119..9289, 9136..9435, 9380..9448, 9410..9463		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o6.tm	Method	TBLASTX:Maize
Start	5561	End	9598
GI	none	Score	46
Exons	5561..5608, 5632..5802, 5666..5839, 9370..9456, 9410..9469, 9475..9564, 9476..9598		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o2.ts	Method	TBLASTX:Soybean
Start	11933	End	12169
GI	none	Score	268
Exons	11933..12169, 11939..12148, 11944..12153		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o6.gs	Method	GENSCAN
Start	12633	End	14133
GI	none	Score	.5
Exons	12633..12638, 12808..12960, 13874..14033, 14129..14133		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o4.np	Method	AAT/NAP
Start	13467	End	14168
GI	2501231	Score	326
Exons	13467..13562, 13706..13774, 13874..14033, 14129..14168		
GI Descrip.	HYPOTHETICAL 38.1 KD PROTEIN gi\|99505\|pir\|\|S24930 hypothetical protein - pink corydalis gi\|18258\|emb\|CAA45139\| (X63595) protein of unknown function [Corydalis sempervirens] gi\|444333\|prf\|\|1906382A pCSC71 protein [Corydalis sempervirens]		

Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o5.ts	Method	TBLASTX:Soybean
Start	13470	End	14169
GI	none	Score	69

Exons	13470..13556, 13471..13551, 13707..13775, 13715..13804, 13874..14035, 13890..14036, 14128..14169, 14138..14167		
Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o5.tm	Method	TBLASTX:Maize
Start	13473	End	14167
GI	none	Score	77
Exons	13473..13562, 13706..13846, 13707..13775, 13874..14035, 13893..14036, 14128..14166, 14129..14167		
Seq. No.	18241	Seq. ID	OJ991026_09.0222.C7
Gene No.	38230	Strand	-
Start	12633	End	14169
Name	OJ991026_09.0222.C7.o3.tw	Method	TBLASTX:Wheat
Start	13706	End	14036
GI	none	Score	78
Exons	13706..13804, 13710..13775, 13874..14029, 13874..14035, 13893..14036		
Seq. No.	18242	Seq. ID	OJ991026_09.0222.C8
Gene No.	38231	Strand	-
Start	1	End	3840
Name	OJ991026_09.0222.C8.o1.np	Method	AAT/NAP
Start	1	End	3840
GI	2501231	Score	165
Exons	1..47, 287..474, 2381..2491, 2688..2817, 3815..3840		
GI Descrip.	HYPOTHETICAL 38.1 KD PROTEIN gi\|99505\|pir\|\|S24930 hypothetical protein - pink corydalis gi\|18258\|emb\|CAA45139\| (X63595) protein of unknown function [Corydalis sempervirens] gi\|444333\|prf\|\|1906382A pCSC71 protein [Corydalis sempervirens]		
Seq. No.	18242	Seq. ID	OJ991026_09.0222.C8
Gene No.	38231	Strand	-
Start	1	End	3840
Name	OJ991026_09.0222.C8.o1.gs	Method	GENSCAN
Start	274	End	2802
GI	none	Score	.9
Exons	274..474, 2381..2491, 2688..2802		
Seq. No.	18243	Seq. ID	OJ991026_09.0222.C9
Gene No.	38232	Strand	+
Start	372	End	725
Name	OJ991026_09.0222.C9.o1.gs	Method	GENSCAN
Start	372	End	725
GI	none	Score	.64
Exons	372..518, 654..725		
Seq. No.	18243	Seq. ID	OJ991026_09.0222.C9
Gene No.	38233	Strand	-
Start	1	End	593
Name	OJ991026_09.0222.C9.o1.np	Method	AAT/NAP
Start	1	End	593
GI	2501231	Score	52
Exons	1..19, 379..457, 512..593		
GI Descrip.	HYPOTHETICAL 38.1 KD PROTEIN gi\|99505\|pir\|\|S24930 hypothetical		

protein - pink corydalis gi|18258|emb|CAA45139| (X63595) protein of unknown function [Corydalis sempervirens] gi|444333|prf||1906382A pCSC71 protein [Corydalis sempervirens]

Seq. No.	18243	Seq. ID	OJ991026_09.0222.C9
Gene No.	38234	Strand	-
Start	1919	End	3234
Name	OJ991026_09.0222.C9.o2.np	Method	AAT/NAP
Start	1866	End	3234
GI	4558666	Score	628
Exons	1866..3234		
GI Descrip.	(AC007063) putative Na/H antiporter [Arabidopsis thaliana]		

Seq. No.	18243	Seq. ID	OJ991026_09.0222.C9
Gene No.	38234	Strand	-
Start	1919	End	3234
Name	OJ991026_09.0222.C9.o2.gs	Method	GENSCAN
Start	1919	End	3136
GI	none	Score	.47
Exons	1919..3136		

Seq. No.	18243	Seq. ID	OJ991026_09.0222.C9
Gene No.	38234	Strand	-
Start	1919	End	3234
Name	OJ991026_09.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	2105	End	2527
GI	none	Score	52
Exons	2105..2146, 2107..2145, 2129..2209, 2142..2210, 2223..2336, 2225..2527, 2339..2506, 2415..2525		

Seq. No.	18243	Seq. ID	OJ991026_09.0222.C9
Gene No.	38234	Strand	-
Start	1919	End	3234
Name	OJ991026_09.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	2750	End	3160
GI	none	Score	198
Exons	2750..3160		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38235	Strand	+
Start	54	End	3259
Name	OJ991026_09.0222.C10.o3.np	Method	AAT/NAP
Start	54	End	3259
GI	4680341	Score	619
Exons	54..425, 2103..2381, 2407..2490, 2549..2908, 3209..3259		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38235	Strand	+
Start	54	End	3259
Name	OJ991026_09.0222.C10.o2.gs	Method	GENSCAN
Start	2085	End	2591
GI	none	Score	1
Exons	2085..2591		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38236	Strand	+

Start	7719	End	10417
Name	OJ991026_09.0222.C10.o4.gs	Method	GENSCAN
Start	7719	End	10417
GI	none	Score	.46
Exons	7719..7797, 7920..8078, 8161..8200, 8696..8823, 9179..9341, 9675..9972, 10409..10417		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38237	Strand	-
Start	1	End	1601
Name	OJ991026_09.0222.C10.o1.np	Method	AAT/NAP
Start	1	End	572
GI	4454039	Score	259
Exons	1..572		
GI Descrip.	(AL035394) putative Na+/H+-exchanging protein [Arabidopsis thaliana]		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38237	Strand	-
Start	1	End	1601
Name	OJ991026_09.0222.C10.o2.np	Method	AAT/NAP
Start	1	End	1601
GI	6728987	Score	61
Exons	1..60, 1138..1227, 1473..1601		
GI Descrip.	(AC018363) putative protein phosphatase-2C (PP2C) [Arabidopsis thaliana]		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38237	Strand	-
Start	1	End	1601
Name	OJ991026_09.0222.C10.o1.gs	Method	GENSCAN
Start	81	End	596
GI	none	Score	.69
Exons	81..596		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38238	Strand	-
Start	2415	End	7222
Name	OJ991026_09.0222.C10.o4.np	Method	AAT/NAP
Start	2415	End	7149
GI	6118092	Score	63
Exons	2415..2433, 3974..4335, 7124..7149		
GI Descrip.	(AF176228) DNA cytosine-5 methyltransferase 3B [Homo sapiens]		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38238	Strand	-
Start	2415	End	7222
Name	OJ991026_09.0222.C10.o3.gs	Method	GENSCAN
Start	2747	End	7222
GI	none	Score	.63
Exons	2747..2840, 3946..4431, 4893..5066, 5326..5510, 5797..5871, 6824..6925, 7066..7112, 7195..7222		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o1.tw	Method	TBLASTX:Wheat

Start	1728	End	3221
GI	none	Score	60
Exons	1728..1787, 1771..1809, 2797..2895, 2798..2896, 2798..2896, 2844..2897, 2856..3032, 2911..3039, 2968..3033, 3127..3189, 3138..3185, 3140..3199, 3183..3221		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o2.tm	Method	TBLASTX:Maize
Start	3942	End	4326
GI	none	Score	166
Exons	3942..4322, 3942..4325, 3943..4326		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o1.ts	Method	TBLASTX:Soybean
Start	3951	End	5088
GI	none	Score	63
Exons	3951..4190, 4016..4096, 4084..4251, 4174..4419, 4176..4418, 4827..4910, 4828..5088, 4884..5087		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	4827	End	5441
GI	none	Score	151
Exons	4827..4958, 4831..4959, 4980..5441, 4981..5421, 4986..5441		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o3.tc	Method	TBLASTX:Cress
Start	4857	End	5241
GI	none	Score	95
Exons	4857..4937, 5028..5240, 5029..5241		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o6.np	Method	AAT/NAP
Start	8875	End	13453
GI	2809246	Score	657
Exons	8875..8926, 10933..11178, 11534..11757, 11838..11955, 12192..12534, 13273..13453		
GI Descrip.	(AC002560) F24O1.15 [Arabidopsis thaliana]		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o5.np	Method	AAT/NAP
Start	10095	End	11302
GI	5777617	Score	84
Exons	10095..10238, 11140..11302		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o1.gp	Method	AAT/GAP
Start	10430	End	10911
GI	none	Score	895
Exons	10430..10911		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o5.gs	Method	GENSCAN
Start	10762	End	18890
GI	none	Score	.81
Exons	10762..11178, 11534..11757, 11838..11955, 12192..12404, 13269..13455, 13572..13697, 14247..14342, 14806..14810, 15274..15522, 15605..15804, 16110..16503, 16587..16691, 17003..17131, 17591..18273, 18747..18890		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o4.tm	Method	TBLASTX:Maize
Start	10987	End	12533
GI	none	Score	114
Exons	10987..11178, 11015..11173, 11531..11764, 11532..11756, 11534..11758, 11833..11958, 11839..11958, 12372..12533		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o3.tw	Method	TBLASTX:Wheat
Start	11002	End	11660
GI	none	Score	86
Exons	11002..11178, 11003..11173, 11014..11175, 11531..11659, 11532..11660		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o2.ts	Method	TBLASTX:Soybean
Start	11017	End	12308
GI	none	Score	114
Exons	11017..11178, 11018..11173, 11531..11764, 11532..11756, 11837..11962, 11839..11955, 12219..12308		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o2.tc	Method	TBLASTX:Cress
Start	11570	End	11959
GI	none	Score	165
Exons	11570..11764, 11592..11768, 11833..11958, 11837..11959		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-

Start	8875	End	18890
Name	OJ991026_09.0222.C10.o2.gp	Method	AAT/GAP
Start	13266	End	13496
GI	3060997	Score	448
Exons	13266..13496		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o3.gp	Method	AAT/GAP
Start	14671	End	16098
GI	3162_1.R1084	Score	2049
Exons	14671..15104, 15274..15522, 15605..15899, 15980..16098		
GI Descrip.	'5919219/gb\|AAD56248.1\|AF186273_1 4.0e-24 (AF186273) leucine-rich repeats containing F-box protein FBL3 [Homo sapiens]'		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o3.tm	Method	TBLASTX:Maize
Start	15280	End	17842
GI	none	Score	86
Exons	15280..15384, 15367..15477, 15602..15904, 15626..15853, 15641..15784, 15770..15892, 15979..16098, 15985..16089, 15985..16101, 15985..16095, 15985..16089, 16159..16461, 16159..16320, 16162..16308, 16168..16428, 16258..16464, 16282..16425, 17588..17776, 17603..17779, 17603..17707, 17636..17794, 17648..17779, 17663..17842		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o5.ts	Method	TBLASTX:Soybean
Start	15284	End	15526
GI	none	Score	64
Exons	15284..15388, 15292..15387, 15385..15510, 15386..15526		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o7.np	Method	AAT/NAP
Start	15286	End	17485
GI	6164721	Score	283
Exons	15286..15899, 15980..16446, 17313..17485		
GI Descrip.	(AF174589) F-box protein Fbl2 [Homo sapiens]		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o2.tw	Method	TBLASTX:Wheat
Start	15602	End	17776
GI	none	Score	87
Exons	15602..15904, 16021..16095, 16168..16308, 16255..16386, 16328..16348, 16333..16425, 17588..17776, 17639..17776		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10

Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o3.ts	Method	TBLASTX:Soybean
Start	15641	End	18118
GI	none	Score	84
Exons	15641..15901, 17597..17914, 17667..17753, 17675..17845, 17972..17992, 18059..18118		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o1.tc	Method	TBLASTX:Cress
Start	15653	End	17794
GI	none	Score	227
Exons	15653..15844, 15985..16089, 16039..16104, 16040..16486, 16159..16503, 16198..16425, 17600..17794, 17627..17776		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o4.ts	Method	TBLASTX:Soybean
Start	15979	End	16387
GI	none	Score	82
Exons	15979..16098, 16000..16098, 16159..16386, 16205..16387		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o8.np	Method	AAT/NAP
Start	16513	End	18004
GI	4240169	Score	93
Exons	16513..16551, 17585..18004		
GI Descrip.	(AB020647) KIAA0840 protein [Homo sapiens] gi\|6164729\|gb\|AAF04514.1\|AF174593_1 (AF174593) F-box protein Fbl7 [Homo sapiens]		

Seq. No.	18244	Seq. ID	OJ991026_09.0222.C10
Gene No.	38239	Strand	-
Start	8875	End	18890
Name	OJ991026_09.0222.C10.o5.tm	Method	TBLASTX:Maize
Start	18062	End	18226
GI	none	Score	66
Exons	18062..18205, 18072..18119, 18194..18226		

Seq. No.	18245	Seq. ID	OJ991026_09.0222.C11
Gene No.	38240	Strand	-
Start	128	End	290
Name	OJ991026_09.0222.C11.o1.gs	Method	GENSCAN
Start	128	End	290
GI	none	Score	.78
Exons	128..290		

Seq. No.	18246	Seq. ID	OJ991026_09.0222.C12
Gene No.	38241	Strand	+
Start	531	End	2336
Name	OJ991026_09.0222.C12.o1.np	Method	AAT/NAP
Start	531	End	2336

GI	5852093	Score	82
Exons	531..640, 2317..2336		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	18247	Seq. ID	OJ991026_09.0222.C13
Gene No.	38242	Strand	+
Start	872	End	3634
Name	OJ991026_09.0222.C13.o1.gs	Method	GENSCAN
Start	872	End	1743
GI	none	Score	.86
Exons	872..1005, 1253..1743		

Seq. No.	18247	Seq. ID	OJ991026_09.0222.C13
Gene No.	38242	Strand	+
Start	872	End	3634
Name	OJ991026_09.0222.C13.o2.np	Method	AAT/NAP
Start	1281	End	3634
GI	6006372	Score	57
Exons	1281..1309, 2661..2860, 3603..3634		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	18247	Seq. ID	OJ991026_09.0222.C13
Gene No.	38243	Strand	-
Start	944	End	1137
Name	OJ991026_09.0222.C13.o1.np	Method	AAT/NAP
Start	944	End	1137
GI	4567307	Score	93
Exons	944..1137		
GI Descrip.	(AC005956) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	18247	Seq. ID	OJ991026_09.0222.C13
Gene No.	38244	Strand	-
Start	2950	End	3534
Name	OJ991026_09.0222.C13.o2.gs	Method	GENSCAN
Start	2950	End	3534
GI	none	Score	.85
Exons	2950..3534		

Seq. No.	18248	Seq. ID	OJ991026_09.0222.C14
Gene No.	38245	Strand	+
Start	186	End	5185
Name	OJ991026_09.0222.C14.o1.gs	Method	GENSCAN
Start	186	End	5185
GI	none	Score	.59
Exons	186..410, 475..561, 959..1140, 2196..2427, 2471..2614, 2829..2863, 3597..3674, 4281..4481, 4607..4763, 4998..5185		

Seq. No.	18249	Seq. ID	OJ991026_09.0222.C15
Gene No.	38246	Strand	+
Start	584	End	894
Name	OJ991026_09.0222.C15.o1.gp	Method	AAT/GAP
Start	584	End	894
GI	2800646	Score	568
Exons	584..894		
GI Descrip.	4760544/dbj\|AB019492.1\|AB019492 5.0e-23 Homo sapiens IDN4-GGTR14 mRNA, partial cds		

Seq. No.	18249	Seq. ID	OJ991026_09.0222.C15
Gene No.	38247	Strand	+
Start	972	End	2699
Name	OJ991026_09.0222.C15.o2.gp	Method	AAT/GAP
Start	972	End	2366
GI	none	Score	1278
Exons	972..1085, 1173..1278, 1854..2366		

Seq. No.	18249	Seq. ID	OJ991026_09.0222.C15
Gene No.	38247	Strand	+
Start	972	End	2699
Name	OJ991026_09.0222.C15.o1.gs	Method	GENSCAN
Start	1018	End	2543
GI	none	Score	.57
Exons	1018..1085, 1142..1278, 1626..1723, 1866..2543		

Seq. No.	18249	Seq. ID	OJ991026_09.0222.C15
Gene No.	38247	Strand	+
Start	972	End	2699
Name	OJ991026_09.0222.C15.o1.np	Method	AAT/NAP
Start	1884	End	2699
GI	4512659	Score	323
Exons	1884..2539, 2652..2699		
GI Descrip.	(AC006931) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	18249	Seq. ID	OJ991026_09.0222.C15
Gene No.	38247	Strand	+
Start	972	End	2699
Name	OJ991026_09.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	2009	End	2699
GI	none	Score	77
Exons	2009..2119, 2046..2114, 2117..2164, 2118..2303, 2309..2539, 2310..2540, 2652..2699, 2653..2697		

Seq. No.	18249	Seq. ID	OJ991026_09.0222.C15
Gene No.	38247	Strand	+
Start	972	End	2699
Name	OJ991026_09.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	2303	End	2699
GI	none	Score	244
Exons	2303..2536, 2322..2540, 2373..2543, 2649..2699, 2653..2697		

Seq. No.	18249	Seq. ID	OJ991026_09.0222.C15
Gene No.	38247	Strand	+
Start	972	End	2699
Name	OJ991026_09.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	2355	End	2697
GI	none	Score	205
Exons	2355..2537, 2360..2536, 2367..2537, 2652..2696, 2653..2697		

Seq. No.	18249	Seq. ID	OJ991026_09.0222.C15
Gene No.	38247	Strand	+
Start	972	End	2699
Name	OJ991026_09.0222.C15.o3.gp	Method	AAT/GAP
Start	2487	End	2699
GI	26479_1.R1084	Score	182

Exons	2487..2539, 2652..2699		
GI Descrip.	'4512659/gb\|AAD21713.1\| 2.0e-94 (AC006931) putative protein kinase [Arabidopsis thaliana] >gi_4544465_gb_AAD22372.1_AC006580_4 (AC006580) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	18250	Seq. ID	OJ991026_09.0222.C16
Gene No.	38248	Strand	+
Start	1	End	1678
Name	OJ991026_09.0222.C16.o1.gp	Method	AAT/GAP
Start	1	End	618
GI	26479_1.R1084	Score	527
Exons	1..117, 258..387, 532..618		
GI Descrip.	'4512659/gb\|AAD21713.1\| 2.0e-94 (AC006931) putative protein kinase [Arabidopsis thaliana] >gi_4544465_gb_AAD22372.1_AC006580_4 (AC006580) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	18250	Seq. ID	OJ991026_09.0222.C16
Gene No.	38248	Strand	+
Start	1	End	1678
Name	OJ991026_09.0222.C16.o1.np	Method	AAT/NAP
Start	1	End	1209
GI	4512659	Score	498
Exons	1..117, 258..387, 532..738, 1116..1209		
GI Descrip.	(AC006931) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	18250	Seq. ID	OJ991026_09.0222.C16
Gene No.	38248	Strand	+
Start	1	End	1678
Name	OJ991026_09.0222.C16.o1.ts	Method	TBLASTX:Soybean
Start	14	End	726
GI	none	Score	159
Exons	14..118, 16..123, 37..138, 258..401, 259..429, 261..404, 496..615, 531..725, 532..726		

Seq. No.	18250	Seq. ID	OJ991026_09.0222.C16
Gene No.	38248	Strand	+
Start	1	End	1678
Name	OJ991026_09.0222.C16.o1.tw	Method	TBLASTX:Wheat
Start	14	End	432
GI	none	Score	102
Exons	14..118, 46..120, 94..141, 259..342, 318..401, 319..432		

Seq. No.	18250	Seq. ID	OJ991026_09.0222.C16
Gene No.	38248	Strand	+
Start	1	End	1678
Name	OJ991026_09.0222.C16.o1.gs	Method	GENSCAN
Start	65	End	1251
GI	none	Score	.91
Exons	65..117, 258..387, 532..741, 1108..1251		

Seq. No.	18250	Seq. ID	OJ991026_09.0222.C16
Gene No.	38248	Strand	+
Start	1	End	1678
Name	OJ991026_09.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	77	End	1254

GI	none	Score	73
Exons	77..118, 79..138, 252..389, 256..408, 257..391, 259..429, 496..741, 531..683, 531..743, 532..741, 1105..1254, 1106..1252		

Seq. No.	18250	Seq. ID	OJ991026_09.0222.C16
Gene No.	38248	Strand	+
Start	1	End	1678
Name	OJ991026_09.0222.C16.o1.tc	Method	TBLASTX:Cress
Start	270	End	726
GI	none	Score	157
Exons	270..404, 271..429, 534..692, 535..726		

Seq. No.	18250	Seq. ID	OJ991026_09.0222.C16
Gene No.	38248	Strand	+
Start	1	End	1678
Name	OJ991026_09.0222.C16.o2.gp	Method	AAT/GAP
Start	617	End	1678
GI	30230_1.R1084	Score	1257
Exons	617..741, 1108..1678		
GI Descrip.	'3482919 2.0e-09 (AC003970) Putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	18251	Seq. ID	OJ991026_09.0222.C17
Gene No.	38249	Strand	-
Start	315	End	1550
Name	OJ991026_09.0222.C17.o1.gs	Method	GENSCAN
Start	315	End	1509
GI	none	Score	.95
Exons	315..1218, 1256..1509		

Seq. No.	18251	Seq. ID	OJ991026_09.0222.C17
Gene No.	38249	Strand	-
Start	315	End	1550
Name	OJ991026_09.0222.C17.o1.np	Method	AAT/NAP
Start	318	End	1550
GI	4586053	Score	1381
Exons	318..1550		
GI Descrip.	(AC007020) putative laccase (diphenol oxidase) [Arabidopsis thaliana]		

Seq. No.	18251	Seq. ID	OJ991026_09.0222.C17
Gene No.	38249	Strand	-
Start	315	End	1550
Name	OJ991026_09.0222.C17.o1.tm	Method	TBLASTX:Maize
Start	318	End	750
GI	none	Score	114
Exons	318..464, 342..749, 385..750		

Seq. No.	18251	Seq. ID	OJ991026_09.0222.C17
Gene No.	38249	Strand	-
Start	315	End	1550
Name	OJ991026_09.0222.C17.o2.tc	Method	TBLASTX:Cress
Start	348	End	611
GI	none	Score	129
Exons	348..611, 391..573		

Seq. No.	18251	Seq. ID	OJ991026_09.0222.C17

Gene No.	38249	Strand	-
Start	315	End	1550
Name	OJ991026_09.0222.C17.o1.ts	Method	TBLASTX:Soybean
Start	387	End	987
GI	none	Score	170
Exons	387..695, 388..696, 738..896,	760..897,	900..986, 934..987

Seq. No.	18251	Seq. ID	OJ991026_09.0222.C17
Gene No.	38249	Strand	-
Start	315	End	1550
Name	OJ991026_09.0222.C17.o1.tc	Method	TBLASTX:Cress
Start	639	End	1353
GI	none	Score	69
Exons	639..731, 640..729, 738..791, 1211..1351, 1219..1353	739..792,	759..959, 760..957,

Seq. No.	18251	Seq. ID	OJ991026_09.0222.C17
Gene No.	38249	Strand	-
Start	315	End	1550
Name	OJ991026_09.0222.C17.o2.ts	Method	TBLASTX:Soybean
Start	1211	End	1545
GI	none	Score	172
Exons	1211..1525, 1219..1545		

Seq. No.	18251	Seq. ID	OJ991026_09.0222.C17
Gene No.	38249	Strand	-
Start	315	End	1550
Name	OJ991026_09.0222.C17.o2.tm	Method	TBLASTX:Maize
Start	1214	End	1545
GI	none	Score	334
Exons	1214..1525, 1219..1545		

Seq. No.	18251	Seq. ID	OJ991026_09.0222.C17
Gene No.	38249	Strand	-
Start	315	End	1550
Name	OJ991026_09.0222.C17.o1.tw	Method	TBLASTX:Wheat
Start	1288	End	1545
GI	none	Score	189
Exons	1288..1545, 1289..1531		

Seq. No.	18251	Seq. ID	OJ991026_09.0222.C17
Gene No.	38249	Strand	-
Start	315	End	1550
Name	OJ991026_09.0222.C17.o3.tc	Method	TBLASTX:Cress
Start	1355	End	1545
GI	none	Score	164
Exons	1355..1525, 1363..1545		

Seq. No.	18252	Seq. ID	OJ991026_09.0222.C18
Gene No.	38250	Strand	+
Start	1544	End	1677
Name	OJ991026_09.0222.C18.o1.gp	Method	AAT/GAP
Start	1544	End	1677
GI	LIB3474-009-P1-K1-F11	Score	229
Exons	1544..1677		
GI Descrip.	'4455244/emb\|CAB36743.1\| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	18252	Seq. ID	OJ991026_09.0222.C18
Gene No.	38251	Strand	-
Start	867	End	3028
Name	OJ991026_09.0222.C18.o1.np	Method	AAT/NAP
Start	176	End	3028
GI	4586053	Score	494
Exons	176..248, 2395..2813, 2930..3028		
GI Descrip.	(AC007020) putative laccase (diphenol oxidase) [Arabidopsis thaliana]		

Seq. No.	18252	Seq. ID	OJ991026_09.0222.C18
Gene No.	38251	Strand	-
Start	867	End	3028
Name	OJ991026_09.0222.C18.o1.gs	Method	GENSCAN
Start	867	End	3019
GI	none	Score	.72
Exons	867..979, 2411..2813, 2930..3019		

Seq. No.	18252	Seq. ID	OJ991026_09.0222.C18
Gene No.	38251	Strand	-
Start	867	End	3028
Name	OJ991026_09.0222.C18.o1.tm	Method	TBLASTX:Maize
Start	2451	End	2738
GI	none	Score	265
Exons	2451..2738, 2452..2733		

Seq. No.	18252	Seq. ID	OJ991026_09.0222.C18
Gene No.	38251	Strand	-
Start	867	End	3028
Name	OJ991026_09.0222.C18.o1.ts	Method	TBLASTX:Soybean
Start	2451	End	2823
GI	none	Score	317
Exons	2451..2813, 2452..2823		

Seq. No.	18252	Seq. ID	OJ991026_09.0222.C18
Gene No.	38251	Strand	-
Start	867	End	3028
Name	OJ991026_09.0222.C18.o1.tw	Method	TBLASTX:Wheat
Start	2452	End	2660
GI	none	Score	203
Exons	2452..2658, 2454..2660		

Seq. No.	18252	Seq. ID	OJ991026_09.0222.C18
Gene No.	38251	Strand	-
Start	867	End	3028
Name	OJ991026_09.0222.C18.o1.tc	Method	TBLASTX:Cress
Start	2505	End	2814
GI	none	Score	226
Exons	2505..2813, 2506..2814, 2659..2814		

Seq. No.	18253	Seq. ID	OJ991026_09.0222.C19
Gene No.	38252	Strand	+
Start	4226	End	7644
Name	OJ991026_09.0222.C19.o1.gs	Method	GENSCAN
Start	4226	End	5740
GI	none	Score	.85

Exons	4226..4402, 4545..4960, 5094..5517, 5723..5740		
Seq. No.	18253	Seq. ID	OJ991026_09.0222.C19
Gene No.	38252	Strand	+
Start	4226	End	7644
Name	OJ991026_09.0222.C19.o1.gp	Method	AAT/GAP
Start	4685	End	5266
GI	uC-osf1M202091b10b1	Score	936
Exons	4685..5033, 5134..5266		
GI Descrip.	'4760544/dbj\|AB019492.1\|AB019492 5.0e-23 Homo sapiens IDN4-GGTR14 mRNA, partial cds'		
Seq. No.	18253	Seq. ID	OJ991026_09.0222.C19
Gene No.	38252	Strand	+
Start	4226	End	7644
Name	OJ991026_09.0222.C19.o1.np	Method	AAT/NAP
Start	4767	End	7644
GI	1814196	Score	26
Exons	4767..4974, 7613..7644		
GI Descrip.	(U39847) AO13 ankyrin [Caenorhabditis elegans]		
Seq. No.	18253	Seq. ID	OJ991026_09.0222.C19
Gene No.	38253	Strand	-
Start	5979	End	7637
Name	OJ991026_09.0222.C19.o2.gs	Method	GENSCAN
Start	5979	End	7637
GI	none	Score	.72
Exons	5979..6134, 6377..6538, 6597..7020, 7141..7637		
Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o3.tm	Method	TBLASTX:Maize
Start	211	End	534
GI	none	Score	44
Exons	211..333, 213..236, 262..405, 302..394, 303..395, 310..399, 443..532, 443..532, 444..533, 444..533, 445..534		
Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o1.np	Method	AAT/NAP
Start	408	End	1954
GI	6630696	Score	2627
Exons	408..1954		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o1.tw	Method	TBLASTX:Wheat
Start	544	End	1019
GI	none	Score	401
Exons	544..930, 545..928, 546..929, 945..1019, 946..1014, 959..1018		

Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o3.ts	Method	TBLASTX:Soybean
Start	672	End	1013
GI	none	Score	101
Exons	672..881, 751..876, 900..1013, 910..978		

Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o1.tm	Method	TBLASTX:Maize
Start	875	End	1247
GI	none	Score	88
Exons	875..1123, 876..1247, 877..1224		

Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o2.tw	Method	TBLASTX:Wheat
Start	1020	End	1772
GI	none	Score	48
Exons	1020..1073, 1227..1433, 1237..1290, 1428..1772, 1591..1713		

Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o2.ts	Method	TBLASTX:Soybean
Start	1026	End	1374
GI	none	Score	79
Exons	1026..1214, 1027..1215, 1210..1374, 1215..1373		

Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o2.tm	Method	TBLASTX:Maize
Start	1308	End	1773
GI	none	Score	61
Exons	1308..1772, 1411..1521, 1557..1637, 1642..1773		

Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o1.ts	Method	TBLASTX:Soybean
Start	1443	End	1907
GI	5509260	Score	58
Exons	1443..1907, 1557..1697, 1651..1812		
GI Descrip.	-		

Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o1.tc	Method	TBLASTX:Cress
Start	1554	End	1820
GI	none	Score	100
Exons	1554..1814, 1563..1820		

Seq. No.	18254	Seq. ID	OJ991026_09.0222.C20
Gene No.	38254	Strand	-
Start	408	End	1954
Name	OJ991026_09.0222.C20.o3.tw	Method	TBLASTX:Wheat
Start	1827	End	1953
GI	none	Score	58
Exons	1827..1919, 1827..1952, 1831..1953		

Seq. No.	18255	Seq. ID	OJ990626_40.0211.C1
Gene No.	38255	Strand	-
Start	196	End	221
Name	OJ990626_40.0211.C1.o1.gs	Method	GENSCAN
Start	196	End	221
GI	none	Score	.98
Exons	196..221		

Seq. No.	18256	Seq. ID	OJ990626_40.0211.C2
Gene No.	38256	Strand	-
Start	49	End	429
Name	OJ990626_40.0211.C2.o1.np	Method	AAT/NAP
Start	49	End	429
GI	5902444	Score	518
Exons	49..429		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	18256	Seq. ID	OJ990626_40.0211.C2
Gene No.	38256	Strand	-
Start	49	End	429
Name	OJ990626_40.0211.C2.o1.tm	Method	TBLASTX:Maize
Start	236	End	413
GI	none	Score	107
Exons	236..412, 288..413		

Seq. No.	18257	Seq. ID	OJ990626_40.0211.C4
Gene No.	38257	Strand	+
Start	1905	End	2222
Name	OJ990626_40.0211.C4.o2.gp	Method	AAT/GAP
Start	1905	End	2222
GI	4716834	Score	584
Exons	1905..2222		

Seq. No.	18257	Seq. ID	OJ990626_40.0211.C4
Gene No.	38258	Strand	-
Start	1	End	3218
Name	OJ990626_40.0211.C4.o1.np	Method	AAT/NAP
Start	1	End	440
GI	479357	Score	98
Exons	1..151, 237..440		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi\|22375\|emb\|CAA44165\| (X62251) ORF [Zea mays]		

Seq. No.	18257	Seq. ID	OJ990626_40.0211.C4
Gene No.	38258	Strand	-
Start	1	End	3218
Name	OJ990626_40.0211.C4.o1.gs	Method	GENSCAN
Start	74	End	3134
GI	none	Score	.78

Exons	74..151, 240..1125, 1262..1385, 1390..1479, 1627..1757, 1972..2140, 2503..2592, 2967..3134		
Seq. No.	18257	Seq. ID	OJ990626_40.0211.C4
Gene No.	38258	Strand	-
Start	1	End	3218
Name	OJ990626_40.0211.C4.o1.gp	Method	AAT/GAP
Start	1480	End	1831
GI	none	Score	530
Exons	1480..1831		
Seq. No.	18257	Seq. ID	OJ990626_40.0211.C4
Gene No.	38258	Strand	-
Start	1	End	3218
Name	OJ990626_40.0211.C4.o2.np	Method	AAT/NAP
Start	2932	End	3218
GI	6539588	Score	229
Exons	2932..3218		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	18258	Seq. ID	OJ990626_40.0211.C6
Gene No.	38259	Strand	+
Start	7302	End	13123
Name	OJ990626_40.0211.C6.o2.gs	Method	GENSCAN
Start	7302	End	12801
GI	none	Score	.67
Exons	7302..7304, 9129..9257, 9318..9417, 10946..11134, 11652..11986, 12041..12360, 12443..12801		
Seq. No.	18258	Seq. ID	OJ990626_40.0211.C6
Gene No.	38259	Strand	+
Start	7302	End	13123
Name	OJ990626_40.0211.C6.o1.np	Method	AAT/NAP
Start	11103	End	13123
GI	6691716	Score	1864
Exons	11103..11976, 12164..12360, 12443..12543, 12620..12801, 12879..13123		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	18258	Seq. ID	OJ990626_40.0211.C6
Gene No.	38259	Strand	+
Start	7302	End	13123
Name	OJ990626_40.0211.C6.o1.tw	Method	TBLASTX:Wheat
Start	11226	End	11513
GI	none	Score	197
Exons	11226..11513		
Seq. No.	18259	Seq. ID	OJ990626_40.0211.C7
Gene No.	38260	Strand	+
Start	83	End	359
Name	OJ990626_40.0211.C7.o1.gs	Method	GENSCAN
Start	83	End	359
GI	none	Score	.78
Exons	83..182, 250..359		

Seq. No.	18260	Seq. ID	OJ990626_40.0211.C8
Gene No.	38261	Strand	+
Start	1	End	554
Name	OJ990626_40.0211.C8.o1.np	Method	AAT/NAP
Start	1	End	554
GI	5091513	Score	910
Exons	1..554		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	18260	Seq. ID	OJ990626_40.0211.C8
Gene No.	38261	Strand	+
Start	1	End	554
Name	OJ990626_40.0211.C8.o1.gs	Method	GENSCAN
Start	66	End	502
GI	none	Score	.97
Exons	66..502		

Seq. No.	18261	Seq. ID	OJ990626_40.0211.C9
Gene No.	38262	Strand	+
Start	2167	End	4513
Name	OJ990626_40.0211.C9.o2.gs	Method	GENSCAN
Start	2167	End	4513
GI	none	Score	.93
Exons	2167..2354, 2681..2809, 3164..3237, 4446..4513		

Seq. No.	18261	Seq. ID	OJ990626_40.0211.C9
Gene No.	38263	Strand	+
Start	6469	End	10732
Name	OJ990626_40.0211.C9.o3.gs	Method	GENSCAN
Start	6469	End	10714
GI	none	Score	.79
Exons	6469..6471, 6645..6827, 8276..8328, 8830..9412, 9443..9742, 10123..10215, 10311..10714		

Seq. No.	18261	Seq. ID	OJ990626_40.0211.C9
Gene No.	38263	Strand	+
Start	6469	End	10732
Name	OJ990626_40.0211.C9.o3.np	Method	AAT/NAP
Start	8765	End	10732
GI	5902444	Score	2495
Exons	8765..10732		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	18261	Seq. ID	OJ990626_40.0211.C9
Gene No.	38264	Strand	-
Start	1	End	664
Name	OJ990626_40.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	664
GI	5902444	Score	623
Exons	1..664		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	18261	Seq. ID	OJ990626_40.0211.C9
Gene No.	38264	Strand	-
Start	1	End	664
Name	OJ990626_40.0211.C9.o1.gs	Method	GENSCAN
Start	57	End	664

GI	none	Score	.81
Exons	57..187, 329..541, 553..664		

Seq. No.	18261	Seq. ID	OJ990626_40.0211.C9
Gene No.	38265	Strand	-
Start	5365	End	7737
Name	OJ990626_40.0211.C9.o2.np	Method	AAT/NAP
Start	5365	End	7737
GI	5042463	Score	153
Exons	5365..5465, 5517..5671, 6316..6501, 7696..7737		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	18261	Seq. ID	OJ990626_40.0211.C9
Gene No.	38266	Strand	
Start	9987	End	10382
Name	OJ990626_40.0211.C9.o1.tw	Method	TBLASTX:Wheat
Start	9987	End	10382
GI	none	Score	220
Exons	9987..10382		

Seq. No.	18262	Seq. ID	OJ990626_40.0211.C11
Gene No.	38267	Strand	-
Start	1	End	831
Name	OJ990626_40.0211.C11.o1.np	Method	AAT/NAP
Start	1	End	792
GI	5902448	Score	1393
Exons	1..792		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	18262	Seq. ID	OJ990626_40.0211.C11
Gene No.	38267	Strand	-
Start	1	End	831
Name	OJ990626_40.0211.C11.o1.gs	Method	GENSCAN
Start	41	End	831
GI	none	Score	.89
Exons	41..232, 407..555, 662..831		

Seq. No.	18262	Seq. ID	OJ990626_40.0211.C11
Gene No.	38267	Strand	-
Start	1	End	831
Name	OJ990626_40.0211.C11.o1.tw	Method	TBLASTX:Wheat
Start	381	End	671
GI	none	Score	210
Exons	381..671		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38268	Strand	+
Start	6111	End	7021
Name	OJ990626_40.0211.C12.o2.gs	Method	GENSCAN
Start	6111	End	7021
GI	none	Score	.49
Exons	6111..6113, 6502..6721, 6864..7021		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38269	Strand	+
Start	16465	End	17151
Name	OJ990626_40.0211.C12.o6.gs	Method	GENSCAN

Start	16465	End	17151
GI	none	Score	.54
Exons	16465..16773, 16887..17151		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38270	Strand	-
Start	1	End	3129
Name	OJ990626_40.0211.C12.o2.np	Method	AAT/NAP
Start	1	End	2469
GI	3618320	Score	409
Exons	1..76, 377..680, 2375..2469		
GI Descrip.	(AB001888) zinc finger protein [Oryza sativa]		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38270	Strand	-
Start	1	End	3129
Name	OJ990626_40.0211.C12.o1.np	Method	AAT/NAP
Start	224	End	295
GI	5734642	Score	38
Exons	224..295		
GI Descrip.	(AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] gi\|6006357\|dbj\|BAA84787.1\| (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38270	Strand	-
Start	1	End	3129
Name	OJ990626_40.0211.C12.o1.gs	Method	GENSCAN
Start	240	End	3129
GI	none	Score	.77
Exons	240..295, 581..751, 1859..2008, 2266..2410, 2594..2628, 2724..2798, 3003..3129		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38270	Strand	-
Start	1	End	3129
Name	OJ990626_40.0211.C12.o1.gp	Method	AAT/GAP
Start	377	End	1800
GI	7_1.R1084	Score	526
Exons	377..684, 1768..1800		
GI Descrip.	'3618320/dbj\|BAA33206\| 0.0e+00 (AB001888) zinc finger protein [Oryza sativa]'		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38271	Strand	-
Start	7463	End	15565
Name	OJ990626_40.0211.C12.o3.np	Method	AAT/NAP
Start	7463	End	15565
GI	5091513	Score	3134
Exons	7463..7637, 7748..8461, 12242..12412, 12670..13529, 14362..15222, 15536..15565		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38271	Strand	-
Start	7463	End	15565
Name	OJ990626_40.0211.C12.o2.gp	Method	AAT/GAP
Start	9161	End	9546
GI	uC-osflcyp033a04b1	Score	673
Exons	9161..9546		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38271	Strand	-
Start	7463	End	15565
Name	OJ990626_40.0211.C12.o5.gs	Method	GENSCAN
Start	14401	End	15264
GI	none	Score	.44
Exons	14401..15264		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38272	Strand	-
Start	15820	End	15994
Name	OJ990626_40.0211.C12.o1.tm	Method	TBLASTX:Maize
Start	374	End	692
GI	none	Score	56
Exons	374..412, 375..413, 377..415, 384..461, 416..460, 422..508, 452..502, 460..510, 460..507, 513..692, 514..660		

Seq. No.	18263	Seq. ID	OJ990626_40.0211.C12
Gene No.	38272	Strand	-
Start	15820	End	15994
Name	OJ990626_40.0211.C12.o4.gp	Method	AAT/GAP
Start	15820	End	15994
GI	5816518	Score	166
Exons	15820..15844, 15888..15994		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	18264	Seq. ID	OJ990626_40.0211.C13
Gene No.	38273	Strand	-
Start	1	End	1066
Name	OJ990626_40.0211.C13.o1.np	Method	AAT/NAP
Start	1	End	1066
GI	5091513	Score	846
Exons	1..662, 1043..1066		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	18265	Seq. ID	OJ990626_40.0211.C15
Gene No.	38274	Strand	-
Start	152	End	324
Name	OJ990626_40.0211.C15.o1.gs	Method	GENSCAN
Start	152	End	324
GI	none	Score	.59
Exons	152..324		

Seq. No.	18266	Seq. ID	OJ990626_40.0211.C16
Gene No.	38275	Strand	+
Start	539	End	698

Name	OJ990626_40.0211.C16.o1.gs	Method	GENSCAN
Start	539	End	698
GI	none	Score	.81
Exons	539..698		

Seq. No.	18267	Seq. ID	OJ990626_40.0211.C17
Gene No.	38276	Strand	+
Start	14	End	1306
Name	OJ990626_40.0211.C17.o1.gs	Method	GENSCAN
Start	14	End	1306
GI	none	Score	1
Exons	14..1306		

Seq. No.	18268	Seq. ID	OJ990626_40.0211.C18
Gene No.	38277	Strand	+
Start	1	End	1021
Name	OJ990626_40.0211.C18.o1.np	Method	AAT/NAP
Start	1	End	885
GI	479357	Score	402
Exons	1..639, 713..885		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi\|22375\|emb\|CAA44165\| (X62251) ORF [Zea mays]		

Seq. No.	18268	Seq. ID	OJ990626_40.0211.C18
Gene No.	38277	Strand	+
Start	1	End	1021
Name	OJ990626_40.0211.C18.o1.gs	Method	GENSCAN
Start	150	End	1021
GI	none	Score	.42
Exons	150..808, 898..1021		

Seq. No.	18268	Seq. ID	OJ990626_40.0211.C18
Gene No.	38278	Strand	-
Start	1800	End	4508
Name	OJ990626_40.0211.C18.o1.tm	Method	TBLASTX:Maize
Start	12	End	605
GI	none	Score	338
Exons	12..428, 12..155, 284..421, 432..605, 439..522		

Seq. No.	18268	Seq. ID	OJ990626_40.0211.C18
Gene No.	38278	Strand	-
Start	1800	End	4508
Name	OJ990626_40.0211.C18.o1.ts	Method	TBLASTX:Soybean
Start	51	End	686
GI	none	Score	76
Exons	51..227, 330..416, 423..524, 594..686		

Seq. No.	18268	Seq. ID	OJ990626_40.0211.C18
Gene No.	38278	Strand	-
Start	1800	End	4508
Name	OJ990626_40.0211.C18.o1.tc	Method	TBLASTX:Cress
Start	330	End	686
GI	none	Score	92
Exons	330..422, 432..542, 555..620, 612..686		

Seq. No.	18268	Seq. ID	OJ990626_40.0211.C18
Gene No.	38278	Strand	-

Start	1800	End	4508
Name	OJ990626_40.0211.C18.o2.gs	Method	GENSCAN
Start	1800	End	4508
GI	none	Score	.6
Exons	1800..2163, 4492..4508		

Seq. No.	18268	Seq. ID	OJ990626_40.0211.C18
Gene No.	38278	Strand	-
Start	1800	End	4508
Name	OJ990626_40.0211.C18.o1.gp	Method	AAT/GAP
Start	2126	End	2495
GI	none	Score	694
Exons	2126..2495		

Seq. No.	18269	Seq. ID	OJ990626_40.0211.C19
Gene No.	38279	Strand	-
Start	1	End	596
Name	OJ990626_40.0211.C19.o1.np	Method	AAT/NAP
Start	1	End	596
GI	2498930	Score	659
Exons	1..370, 537..596		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18269	Seq. ID	OJ990626_40.0211.C19
Gene No.	38279	Strand	-
Start	1	End	596
Name	OJ990626_40.0211.C19.o1.gs	Method	GENSCAN
Start	68	End	596
GI	none	Score	.89
Exons	68..370, 537..596		

Seq. No.	18270	Seq. ID	OJ990626_40.0211.C20
Gene No.	38280	Strand	-
Start	1	End	3540
Name	OJ990626_40.0211.C20.o1.np	Method	AAT/NAP
Start	1	End	3434
GI	6175185	Score	195
Exons	1..114, 260..316, 1187..1351, 2142..2273, 3068..3213, 3316..3434		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	18270	Seq. ID	OJ990626_40.0211.C20
Gene No.	38280	Strand	-
Start	1	End	3540
Name	OJ990626_40.0211.C20.o1.gs	Method	GENSCAN
Start	1251	End	3540
GI	none	Score	.88
Exons	1251..1351, 2142..2273, 3068..3241, 3341..3409, 3495..3540		

Seq. No.	18270	Seq. ID	OJ990626_40.0211.C20
Gene No.	38281	Strand	-
Start	4484	End	4890
Name	OJ990626_40.0211.C20.o1.gp	Method	AAT/GAP
Start	4484	End	4890
GI	none	Score	810
Exons	4484..4890		

Seq. No.	18270	Seq. ID	OJ990626_40.0211.C20
Gene No.	38282	Strand	-
Start	5238	End	5724
Name	OJ990626_40.0211.C20.o2.gp	Method	AAT/GAP
Start	5238	End	5724
GI	none	Score	772
Exons	5238..5724		

Seq. No.	18270	Seq. ID	OJ990626_40.0211.C20
Gene No.	38283	Strand	-
Start	6071	End	6643
Name	OJ990626_40.0211.C20.o4.gp	Method	AAT/GAP
Start	6071	End	6643
GI	none	Score	703
Exons	6071..6185, 6349..6643		

Seq. No.	18271	Seq. ID	OJ990626_40.0211.C21
Gene No.	38284	Strand	+
Start	527	End	627
Name	OJ990626_40.0211.C21.o1.gs	Method	GENSCAN
Start	527	End	627
GI	none	Score	.72
Exons	527..627		

Seq. No.	18272	Seq. ID	OJ990816_07.0225.C1
Gene No.	38285	Strand	-
Start	444	End	1092
Name	OJ990816_07.0225.C1.o1.tm	Method	TBLASTX:Maize
Start	168	End	539
GI	none	Score	94
Exons	168..539, 261..437		

Seq. No.	18272	Seq. ID	OJ990816_07.0225.C1
Gene No.	38285	Strand	-
Start	444	End	1092
Name	OJ990816_07.0225.C1.o1.gs	Method	GENSCAN
Start	444	End	1092
GI	none	Score	.58
Exons	444..589, 644..823, 886..1092		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38286	Strand	+
Start	1338	End	2129
Name	OJ990816_07.0225.C2.o1.gs	Method	GENSCAN
Start	1338	End	2129
GI	none	Score	.88
Exons	1338..2129		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38287	Strand	-
Start	1228	End	10377
Name	OJ990816_07.0225.C2.o1.np	Method	AAT/NAP
Start	1228	End	10377
GI	6523547	Score	283
Exons	1228..1553, 1780..2114, 3723..3927, 4096..4154, 10051..10377		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38287	Strand	-
Start	1228	End	10377
Name	OJ990816_07.0225.C2.o1.gp	Method	AAT/GAP
Start	2092	End	2339
GI	2276000	Score	468
Exons	2092..2339		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38287	Strand	-
Start	1228	End	10377
Name	OJ990816_07.0225.C2.o2.gs	Method	GENSCAN
Start	3648	End	4322
GI	none	Score	.82
Exons	3648..4322		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38287	Strand	-
Start	1228	End	10377
Name	OJ990816_07.0225.C2.o2.gp	Method	AAT/GAP
Start	6605	End	7013
GI	5056000	Score	784
Exons	6605..7013		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38287	Strand	-
Start	1228	End	10377
Name	OJ990816_07.0225.C2.o3.gs	Method	GENSCAN
Start	6892	End	10377
GI	none	Score	.71
Exons	6892..8171, 8947..8984, 9984..10131, 10317..10377		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38287	Strand	-
Start	1228	End	10377
Name	OJ990816_07.0225.C2.o3.gp	Method	AAT/GAP
Start	7235	End	7738
GI	none	Score	988
Exons	7235..7738		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38287	Strand	-
Start	1228	End	10377
Name	OJ990816_07.0225.C2.o4.gp	Method	AAT/GAP
Start	7745	End	8182
GI	2428644	Score	796
Exons	7745..8182		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38288	Strand	-
Start	11209	End	13853
Name	OJ990816_07.0225.C2.o1.tc	Method	TBLASTX:Cress
Start	3789	End	4187
GI	none	Score	92
Exons	3789..3830, 3810..3887, 3972..4106, 3979..4050, 4152..4187		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38288	Strand	-
Start	11209	End	13853
Name	OJ990816_07.0225.C2.o2.tm	Method	TBLASTX:Maize
Start	6885	End	7086
GI	none	Score	192
Exons	6885..7070, 6886..7086, 6890..7063, 6970..7071		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38288	Strand	-
Start	11209	End	13853
Name	OJ990816_07.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	7186	End	8166
GI	none	Score	76
Exons	7186..7320, 7190..7321, 7248..7331, 7329..7505, 7350..7505, 7351..7506, 7357..7515, 7444..7665, 7547..7657, 7557..7685, 7608..7685, 7671..7736, 7714..7881, 7792..8166, 7800..7880, 7876..8157, 7881..8165		

Seq. No.	18273	Seq. ID	OJ990816_07.0225.C2
Gene No.	38288	Strand	-
Start	11209	End	13853
Name	OJ990816_07.0225.C2.o4.gs	Method	GENSCAN
Start	11209	End	13853
GI	none	Score	.77
Exons	11209..11263, 11942..12050, 13713..13853		

Seq. No.	18274	Seq. ID	OJ990816_07.0225.C4
Gene No.	38289	Strand	+
Start	2826	End	3014
Name	OJ990816_07.0225.C4.o1.gp	Method	AAT/GAP
Start	2826	End	3014
GI	5771122	Score	329
Exons	2826..3014		

Seq. No.	18274	Seq. ID	OJ990816_07.0225.C4
Gene No.	38290	Strand	-
Start	2243	End	5133
Name	OJ990816_07.0225.C4.o1.np	Method	AAT/NAP
Start	1253	End	5133
GI	3413699	Score	278
Exons	1253..1272, 3527..3880, 5009..5133		
GI Descrip.	(AC004747) putative heat shock transcription factor [Arabidopsis thaliana]		

Seq. No.	18274	Seq. ID	OJ990816_07.0225.C4
Gene No.	38290	Strand	-
Start	2243	End	5133
Name	OJ990816_07.0225.C4.o1.gs	Method	GENSCAN
Start	2243	End	2573
GI	none	Score	.91
Exons	2243..2521, 2565..2573		

Seq. No.	18274	Seq. ID	OJ990816_07.0225.C4
Gene No.	38290	Strand	-
Start	2243	End	5133
Name	OJ990816_07.0225.C4.o2.gs	Method	GENSCAN

Start	3254	End	5074
GI	none	Score	.96
Exons	3254..3696, 3715..3880, 4402..4496, 4904..5074		

Seq. No.	18274	Seq. ID	OJ990816_07.0225.C4
Gene No.	38290	Strand	-
Start	2243	End	5133
Name	OJ990816_07.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	3356	End	4026
GI	none	Score	155
Exons	3356..3406, 3398..3436, 3524..3697, 3573..3686, 3794..3880, 3834..3881, 4006..4026		

Seq. No.	18274	Seq. ID	OJ990816_07.0225.C4
Gene No.	38290	Strand	-
Start	2243	End	5133
Name	OJ990816_07.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	3524	End	5129
GI	none	Score	40
Exons	3524..3697, 3650..3685, 3794..3880, 3806..3889, 3826..3921, 3978..4016, 5009..5128, 5010..5129		

Seq. No.	18274	Seq. ID	OJ990816_07.0225.C4
Gene No.	38290	Strand	-
Start	2243	End	5133
Name	OJ990816_07.0225.C4.o2.tm	Method	TBLASTX:Maize
Start	5004	End	5132
GI	none	Score	156
Exons	5004..5132, 5009..5131		

Seq. No.	18275	Seq. ID	OJ990816_07.0225.C5
Gene No.	38291	Strand	-
Start	7713	End	9076
Name	OJ990816_07.0225.C5.o1.gp	Method	AAT/GAP
Start	7713	End	9076
GI	29055_1.R1084	Score	1804
Exons	7713..8382, 8712..8823, 8909..9076		
GI Descrip.	'4512671/gb\|AAD21725.1\| 9.0e-11 (AC006931) unknown protein [Arabidopsis thaliana] >gi_4929128_gb_AAD33868.1_AF141375_1 (AF141375) protodermal factor 1 [Arabidopsis thaliana] >gi_4929130_gb_AAD33869.1_AF141376_1 (AF141376) protodermal factor 1 [Arabidopsis thaliana]'		

Seq. No.	18275	Seq. ID	OJ990816_07.0225.C5
Gene No.	38292	Strand	-
Start	15245	End	18255
Name	OJ990816_07.0225.C5.o1.tm	Method	TBLASTX:Maize
Start	8101	End	8390
GI	none	Score	217
Exons	8101..8169, 8169..8390, 8236..8379		

Seq. No.	18275	Seq. ID	OJ990816_07.0225.C5
Gene No.	38292	Strand	-
Start	15245	End	18255
Name	OJ990816_07.0225.C5.o1.np	Method	AAT/NAP
Start	15245	End	18255
GI	4454460	Score	65

Exons	15245..15297, 16505..16612, 18235..18255		
GI Descrip.	(AC006234) AP2 domain transcription factor [Arabidopsis thaliana]		
Seq. No.	18276	Seq. ID	OJ990816_07.0225.C6
Gene No.	38293	Strand	-
Start	80	End	1800
Name	OJ990816_07.0225.C6.o1.gs	Method	GENSCAN
Start	80	End	1800
GI	none	Score	.64
Exons	80..243, 332..448, 519..550, 1532..1612, 1743..1800		
Seq. No.	18277	Seq. ID	OJ990816_07.0225.C8
Gene No.	38294	Strand	+
Start	417	End	2386
Name	OJ990816_07.0225.C8.o1.gs	Method	GENSCAN
Start	417	End	2386
GI	none	Score	.69
Exons	417..507, 2227..2386		
Seq. No.	18277	Seq. ID	OJ990816_07.0225.C8
Gene No.	38295	Strand	-
Start	3720	End	3835
Name	OJ990816_07.0225.C8.o2.gs	Method	GENSCAN
Start	3720	End	3835
GI	none	Score	.54
Exons	3720..3835		
Seq. No.	18278	Seq. ID	OJ990816_07.0225.C10
Gene No.	38296	Strand	+
Start	251	End	705
Name	OJ990816_07.0225.C10.o1.gs	Method	GENSCAN
Start	251	End	705
GI	none	Score	.49
Exons	251..451, 531..705		
Seq. No.	18278	Seq. ID	OJ990816_07.0225.C10
Gene No.	38297	Strand	-
Start	1883	End	2052
Name	OJ990816_07.0225.C10.o2.gs	Method	GENSCAN
Start	1883	End	2052
GI	none	Score	.99
Exons	1883..2052		
Seq. No.	18279	Seq. ID	OJ990816_07.0225.C11
Gene No.	38298	Strand	+
Start	1	End	1536
Name	OJ990816_07.0225.C11.o1.np	Method	AAT/NAP
Start	1	End	1536
GI	3540200	Score	213
Exons	1..194, 1426..1536		
GI Descrip.	(AC004260) Similar to TINY [Arabidopsis thaliana]		
Seq. No.	18279	Seq. ID	OJ990816_07.0225.C11
Gene No.	38298	Strand	+
Start	1	End	1536
Name	OJ990816_07.0225.C11.o1.gs	Method	GENSCAN

Start	33	End	572
GI	none	Score	.54
Exons	33..572		

Seq. No.	18279	Seq. ID	OJ990816_07.0225.C11
Gene No.	38299	Strand	-
Start	2023	End	2277
Name	OJ990816_07.0225.C11.o2.gs	Method	GENSCAN
Start	2023	End	2277
GI	none	Score	.78
Exons	2023..2088, 2263..2277		

Seq. No.	18280	Seq. ID	OJ990816_07.0225.C12
Gene No.	38300	Strand	-
Start	183	End	652
Name	OJ990816_07.0225.C12.o1.gs	Method	GENSCAN
Start	183	End	652
GI	none	Score	.67
Exons	183..311, 575..652		

Seq. No.	18281	Seq. ID	OJ990816_07.0225.C13
Gene No.	38301	Strand	+
Start	1	End	787
Name	OJ990816_07.0225.C13.o1.np	Method	AAT/NAP
Start	1	End	787
GI	4263825	Score	247
Exons	1..62, 105..610, 738..787		
GI Descrip.	(AC006067) putative helicase [Arabidopsis thaliana]		

Seq. No.	18281	Seq. ID	OJ990816_07.0225.C13
Gene No.	38301	Strand	+
Start	1	End	787
Name	OJ990816_07.0225.C13.o1.gs	Method	GENSCAN
Start	134	End	568
GI	none	Score	.5
Exons	134..568		

Seq. No.	18282	Seq. ID	OJ990816_07.0225.C14
Gene No.	38302	Strand	+
Start	2427	End	5722
Name	OJ990816_07.0225.C14.o1.gs	Method	GENSCAN
Start	2427	End	5722
GI	none	Score	.46
Exons	2427..2547, 4069..4219, 5596..5722		

Seq. No.	18282	Seq. ID	OJ990816_07.0225.C14
Gene No.	38303	Strand	+
Start	9245	End	9665
Name	OJ990816_07.0225.C14.o1.gp	Method	AAT/GAP
Start	9245	End	9665
GI	5038760	Score	826
Exons	9245..9665		

Seq. No.	18282	Seq. ID	OJ990816_07.0225.C14
Gene No.	38304	Strand	-
Start	8431	End	10300
Name	OJ990816_07.0225.C14.o2.gs	Method	GENSCAN

Start	8431	End	10247
GI	none	Score	.5
Exons	8431..8556, 9355..9612, 9654..10247		

Seq. No.	18282	Seq. ID	OJ990816_07.0225.C14
Gene No.	38304	Strand	-
Start	8431	End	10300
Name	OJ990816_07.0225.C14.o1.tm	Method	TBLASTX:Maize
Start	9287	End	9668
GI	none	Score	38
Exons	9287..9328, 9451..9522, 9453..9521, 9519..9605, 9520..9555, 9597..9668, 9606..9650		

Seq. No.	18282	Seq. ID	OJ990816_07.0225.C14
Gene No.	38304	Strand	-
Start	8431	End	10300
Name	OJ990816_07.0225.C14.o1.np	Method	AAT/NAP
Start	9471	End	10300
GI	4972057	Score	156
Exons	9471..9695, 9740..9820, 10009..10300		
GI Descrip.	(AL078470) putative protein [Arabidopsis thaliana]		

Seq. No.	18283	Seq. ID	OJ990816_07.0225.C15
Gene No.	38305	Strand	+
Start	7008	End	7090
Name	OJ990816_07.0225.C15.o2.np	Method	AAT/NAP
Start	7008	End	7090
GI	6630699	Score	85
Exons	7008..7090		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18283	Seq. ID	OJ990816_07.0225.C15
Gene No.	38306	Strand	+
Start	7226	End	7645
Name	OJ990816_07.0225.C15.o3.np	Method	AAT/NAP
Start	7226	End	7645
GI	6539570	Score	134
Exons	7226..7419, 7579..7645		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	18283	Seq. ID	OJ990816_07.0225.C15
Gene No.	38307	Strand	-
Start	2462	End	5458
Name	OJ990816_07.0225.C15.o1.np	Method	AAT/NAP
Start	1638	End	4436
GI	5777623	Score	262
Exons	1638..1685, 4201..4436		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	18283	Seq. ID	OJ990816_07.0225.C15
Gene No.	38307	Strand	-
Start	2462	End	5458
Name	OJ990816_07.0225.C15.o1.gs	Method	GENSCAN
Start	2462	End	5458
GI	none	Score	.62

Exons	2462..2504, 3421..3514, 4092..4467, 4495..4667, 4673..4797, 4811..4933, 5367..5458		
Seq. No.	18283	Seq. ID	OJ990816_07.0225.C15
Gene No.	38308	Strand	-
Start	7230	End	10699
Name	OJ990816_07.0225.C15.o2.gs	Method	GENSCAN
Start	7230	End	10699
GI	none	Score	.58
Exons	7230..7525, 9972..10077, 10538..10699		
Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38309	Strand	+
Start	1	End	1512
Name	OJ990816_07.0225.C17.o1.np	Method	AAT/NAP
Start	1	End	1512
GI	6466937	Score	1017
Exons	1..1512		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38310	Strand	+
Start	2349	End	8848
Name	OJ990816_07.0225.C17.o2.np	Method	AAT/NAP
Start	2349	End	8848
GI	5852180	Score	538
Exons	2349..2402, 3383..3501, 3553..3999, 8777..8848		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38310	Strand	+
Start	2349	End	8848
Name	OJ990816_07.0225.C17.o3.gp	Method	AAT/GAP
Start	7302	End	7733
GI	2428752	Score	614
Exons	7302..7577, 7671..7733		
Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38310	Strand	+
Start	2349	End	8848
Name	OJ990816_07.0225.C17.o3.gs	Method	GENSCAN
Start	7358	End	8098
GI	none	Score	.97
Exons	7358..7577, 7671..8098		
Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38310	Strand	+
Start	2349	End	8848
Name	OJ990816_07.0225.C17.o3.np	Method	AAT/NAP
Start	7382	End	8089
GI	6453865	Score	177
Exons	7382..7577, 7671..7890, 7948..8089		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38311	Strand	-

Start	2251	End	2632
Name	OJ990816_07.0225.C17.o1.gp	Method	AAT/GAP
Start	2251	End	2632
GI	uC-osf1cyp033a04b1	Score	663
Exons	2251..2632		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38312	Strand	-
Start	3471	End	7153
Name	OJ990816_07.0225.C17.o2.tm	Method	TBLASTX:Maize
Start	2	End	530
GI	none	Score	445
Exons	2..370, 3..410, 423..530		

Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38312	Strand	-
Start	3471	End	7153
Name	OJ990816_07.0225.C17.o3.tw	Method	TBLASTX:Wheat
Start	3	End	296
GI	none	Score	193
Exons	3..296, 20..115		

Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38312	Strand	-
Start	3471	End	7153
Name	OJ990816_07.0225.C17.o2.ts	Method	TBLASTX:Soybean
Start	5	End	245
GI	none	Score	200
Exons	5..196, 6..245		

Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38312	Strand	-
Start	3471	End	7153
Name	OJ990816_07.0225.C17.o1.tw	Method	TBLASTX:Wheat
Start	405	End	824
GI	none	Score	379
Exons	405..824, 449..790, 759..821		

Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38312	Strand	-
Start	3471	End	7153
Name	OJ990816_07.0225.C17.o1.tm	Method	TBLASTX:Maize
Start	657	End	1294
GI	none	Score	749
Exons	657..1292, 657..1262, 790..1290, 827..1294		

Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38312	Strand	-
Start	3471	End	7153
Name	OJ990816_07.0225.C17.o1.ts	Method	TBLASTX:Soybean
Start	693	End	1049
GI	none	Score	346
Exons	693..1049, 741..1040		

Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17

Gene No.	38312	Strand	-
Start	3471	End	7153
Name	OJ990816_07.0225.C17.o2.tw	Method	TBLASTX:Wheat
Start	912	End	1304
GI	none	Score	269
Exons	912..1304, 1007..1291		

Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38312	Strand	-
Start	3471	End	7153
Name	OJ990816_07.0225.C17.o3.tm	Method	TBLASTX:Maize
Start	1295	End	1511
GI	none	Score	237
Exons	1295..1369, 1296..1511, 1421..1507		

Seq. No.	18284	Seq. ID	OJ990816_07.0225.C17
Gene No.	38312	Strand	-
Start	3471	End	7153
Name	OJ990816_07.0225.C17.o2.gs	Method	GENSCAN
Start	3471	End	7153
GI	none	Score	.52
Exons	3471..3947, 4194..4372, 6374..6544, 6988..7153		

Seq. No.	18285	Seq. ID	OJ990816_07.0225.C18
Gene No.	38313	Strand	+
Start	135	End	620
Name	OJ990816_07.0225.C18.o1.gs	Method	GENSCAN
Start	135	End	620
GI	none	Score	.76
Exons	135..243, 595..620		

Seq. No.	18286	Seq. ID	OJ991216_07.0301.C1
Gene No.	38314	Strand	-
Start	1	End	686
Name	OJ991216_07.0301.C1.o1.np	Method	AAT/NAP
Start	1	End	686
GI	6721515	Score	240
Exons	1..282, 427..686		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	18287	Seq. ID	OJ991216_07.0301.C2
Gene No.	38315	Strand	+
Start	3622	End	8602
Name	OJ991216_07.0301.C2.o2.gs	Method	GENSCAN
Start	3622	End	8602
GI	none	Score	.55
Exons	3622..3664, 4029..4141, 5168..5425, 5517..5663, 6152..6273, 7015..7224, 7451..7595, 7861..7952, 8092..8172, 8260..8602		

Seq. No.	18287	Seq. ID	OJ991216_07.0301.C2
Gene No.	38316	Strand	+
Start	8885	End	9370
Name	OJ991216_07.0301.C2.o1.gp	Method	AAT/GAP
Start	8885	End	9370
GI	none	Score	861
Exons	8885..9370		

Seq. No.	18287	Seq. ID	OJ991216_07.0301.C2
Gene No.	38317	Strand	-
Start	2426	End	4158
Name	OJ991216_07.0301.C2.o1.np	Method	AAT/NAP
Start	2426	End	4158
GI	2245125	Score	101
Exons	2426..2615, 2766..2843, 4113..4158		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18287	Seq. ID	OJ991216_07.0301.C2
Gene No.	38318	Strand	-
Start	9157	End	10958
Name	OJ991216_07.0301.C2.o3.gs	Method	GENSCAN
Start	9157	End	10506
GI	none	Score	.98
Exons	9157..9678, 9768..10135, 10273..10364, 10460..10506		

Seq. No.	18287	Seq. ID	OJ991216_07.0301.C2
Gene No.	38318	Strand	-
Start	9157	End	10958
Name	OJ991216_07.0301.C2.o2.np	Method	AAT/NAP
Start	9160	End	10958
GI	6714275	Score	296
Exons	9160..9678, 9741..9840, 9898..10061, 10908..10958		
GI Descrip.	(AC017118) F6N18.12 [Arabidopsis thaliana]		

Seq. No.	18287	Seq. ID	OJ991216_07.0301.C2
Gene No.	38318	Strand	-
Start	9157	End	10958
Name	OJ991216_07.0301.C2.o2.gp	Method	AAT/GAP
Start	9823	End	10638
GI	30630_1.R1084	Score	1094
Exons	9823..10135, 10273..10364, 10460..10638		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	18288	Seq. ID	OJ991216_07.0301.C3
Gene No.	38319	Strand	+
Start	481	End	1953
Name	OJ991216_07.0301.C3.o1.gs	Method	GENSCAN
Start	481	End	1953
GI	none	Score	.44
Exons	481..736, 1082..1181, 1616..1745, 1776..1953		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38320	Strand	+
Start	530	End	10701
Name	OJ991216_07.0301.C5.o1.np	Method	AAT/NAP
Start	530	End	1591
GI	6721543	Score	156
Exons	530..660, 1475..1591		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38320	Strand	+
Start	530	End	10701

Name	OJ991216_07.0301.C5.o1.gp	Method	AAT/GAP
Start	544	End	710
GI	7406_1.R1084	Score	213
Exons	544..710		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38320	Strand	+
Start	530	End	10701
Name	OJ991216_07.0301.C5.o1.gs	Method	GENSCAN
Start	1151	End	4384
GI	none	Score	.56
Exons	1151..4088, 4224..4384		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38320	Strand	+
Start	530	End	10701
Name	OJ991216_07.0301.C5.o2.np	Method	AAT/NAP
Start	1604	End	6951
GI	5441880	Score	2325
Exons	1604..2609, 3054..3085, 3344..3659, 6920..6951		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38320	Strand	+
Start	530	End	10701
Name	OJ991216_07.0301.C5.o3.np	Method	AAT/NAP
Start	1604	End	3661
GI	5441880	Score	2318
Exons	1604..2609, 3054..3085, 3344..3661		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38320	Strand	+
Start	530	End	10701
Name	OJ991216_07.0301.C5.o2.gp	Method	AAT/GAP
Start	2208	End	2639
GI	5701669	Score	841
Exons	2208..2639		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38320	Strand	+
Start	530	End	10701
Name	OJ991216_07.0301.C5.o3.gp	Method	AAT/GAP
Start	4209	End	6020
GI	LIB3431-045-P1-N1-A10	Score	808
Exons	4209..4551, 5911..6020		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38320	Strand	+
Start	530	End	10701
Name	OJ991216_07.0301.C5.o4.np	Method	AAT/NAP
Start	6761	End	10701
GI	4680186	Score	99
Exons	6761..6792, 9852..9955, 10457..10701		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38321	Strand	-
Start	9944	End	10434
Name	OJ991216_07.0301.C5.o1.tm	Method	TBLASTX:Maize
Start	2165	End	2761
GI	none	Score	93
Exons	2165..2293, 2173..2271, 2327..2626, 2344..2565, 2690..2761		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38321	Strand	-
Start	9944	End	10434
Name	OJ991216_07.0301.C5.o1.tw	Method	TBLASTX:Wheat
Start	2459	End	2839
GI	none	Score	208
Exons	2459..2653, 2468..2665, 2659..2778, 2663..2839, 2663..2809		

Seq. No.	18289	Seq. ID	OJ991216_07.0301.C5
Gene No.	38321	Strand	-
Start	9944	End	10434
Name	OJ991216_07.0301.C5.o3.gs	Method	GENSCAN
Start	9944	End	10434
GI	none	Score	.97
Exons	9944..10017, 10425..10434		

Seq. No.	18290	Seq. ID	OJ991216_07.0301.C6
Gene No.	38322	Strand	-
Start	218	End	1357
Name	OJ991216_07.0301.C6.o1.gs	Method	GENSCAN
Start	218	End	1293
GI	none	Score	.7
Exons	218..478, 542..786, 861..991, 997..1293		

Seq. No.	18290	Seq. ID	OJ991216_07.0301.C6
Gene No.	38322	Strand	-
Start	218	End	1357
Name	OJ991216_07.0301.C6.o1.np	Method	AAT/NAP
Start	276	End	1357
GI	5690095	Score	316
Exons	276..542, 580..1357		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	18291	Seq. ID	OJ991216_07.0301.C7
Gene No.	38323	Strand	-
Start	65	End	953
Name	OJ991216_07.0301.C7.o1.gs	Method	GENSCAN
Start	65	End	953
GI	none	Score	.57

Exons 65..215, 249..953

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38324	Strand	+
Start	523	End	6190
Name	OJ991216_07.0301.C8.o1.gs	Method	GENSCAN
Start	523	End	6190
GI	none	Score	.56

Exons 523..643, 977..1026, 1156..1306, 1573..1660, 1817..1954, 2043..2090, 2268..2875, 3026..3134, 4177..4753, 4796..6190

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38324	Strand	+
Start	523	End	6190
Name	OJ991216_07.0301.C8.o1.np	Method	AAT/NAP
Start	2284	End	6187
GI	6539553	Score	6707

Exons 2284..6187

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38325	Strand	+
Start	7903	End	11193
Name	OJ991216_07.0301.C8.o2.np	Method	AAT/NAP
Start	7903	End	11190
GI	6907089	Score	5006

Exons 7903..9163, 9258..11190

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38325	Strand	+
Start	7903	End	11193
Name	OJ991216_07.0301.C8.o3.gs	Method	GENSCAN
Start	7903	End	11193
GI	none	Score	.67

Exons 7903..8390, 8417..8472, 8477..8624, 8766..8889, 9054..9163, 9258..9490, 9704..11193

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38326	Strand	+
Start	19869	End	23103
Name	OJ991216_07.0301.C8.o6.gs	Method	GENSCAN
Start	19869	End	23103
GI	none	Score	.55

Exons 19869..19980, 20175..20274, 20363..20410, 20587..20657, 20662..20948, 22987..23103

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38327	Strand	+
Start	27356	End	45172
Name	OJ991216_07.0301.C8.o8.gs	Method	GENSCAN
Start	27356	End	44869
GI	none	Score	.56

Exons 27356..27436, 27750..27869, 28118..28246, 28383..28658,

28892..29335, 29674..30355, 35965..36170, 38809..38882,
38927..39974, 40030..40329, 40376..40661, 40767..41331,
41488..41737, 41780..41956, 42044..42805, 42923..43336,
43496..43674, 43786..44529, 44611..44869

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38327	Strand	+
Start	27356	End	45172
Name	OJ991216_07.0301.C8.o3.gp	Method	AAT/GAP
Start	27759	End	28231
GI	2428464	Score	594
Exons	27759..27974, 28118..28231		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38327	Strand	+
Start	27356	End	45172
Name	OJ991216_07.0301.C8.o5.np	Method	AAT/NAP
Start	28208	End	38547
GI	3281846	Score	255
Exons	28208..28246, 28383..28494, 28597..28661, 28913..29017, 30181..30297, 38501..38547		
GI Descrip.	(AJ006404) late elongated hypocotyl [Arabidopsis thaliana]		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38327	Strand	+
Start	27356	End	45172
Name	OJ991216_07.0301.C8.o4.gp	Method	AAT/GAP
Start	37249	End	37630
GI	uC-osflcyp033a04b1	Score	663
Exons	37249..37630		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38327	Strand	+
Start	27356	End	45172
Name	OJ991216_07.0301.C8.o7.np	Method	AAT/NAP
Start	42053	End	45172
GI	5902445	Score	3113
Exons	42053..43891, 43931..45172		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38328	Strand	-
Start	6412	End	6895
Name	OJ991216_07.0301.C8.o2.gs	Method	GENSCAN
Start	6412	End	6895
GI	none	Score	.96
Exons	6412..6522, 6773..6895		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38329	Strand	-
Start	11824	End	18692
Name	OJ991216_07.0301.C8.o3.np	Method	AAT/NAP
Start	11824	End	17472
GI	6498441	Score	6978
Exons	11824..12105, 12199..13596, 13768..14064, 14257..14683,		

	14858..14992, 15176..15549, 15613..16076, 16407..17472
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38329	Strand	-
Start	11824	End	18692
Name	OJ991216_07.0301.C8.o5.gs	Method	GENSCAN
Start	15550	End	18569
GI	none	Score	.68
Exons	15550..16895, 17026..18051, 18088..18262, 18513..18569		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38329	Strand	-
Start	11824	End	18692
Name	OJ991216_07.0301.C8.o4.np	Method	AAT/NAP
Start	18209	End	18692
GI	5042454	Score	224
Exons	18209..18262, 18513..18692		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38330	Strand	-
Start	31630	End	31714
Name	OJ991216_07.0301.C8.o6.np	Method	AAT/NAP
Start	31630	End	31714
GI	6721547	Score	98
Exons	31630..31714		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38331	Strand	-
Start	45817	End	49169
Name	OJ991216_07.0301.C8.o9.gs	Method	GENSCAN
Start	45817	End	49169
GI	none	Score	.77
Exons	45817..46304, 46402..46547, 46669..47430, 47501..47559, 47666..47809, 47877..48001, 48168..48367, 48701..48861, 49116..49169		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38331	Strand	-
Start	45817	End	49169
Name	OJ991216_07.0301.C8.o8.np	Method	AAT/NAP
Start	46668	End	48277
GI	6721561	Score	1000
Exons	46668..47430, 47501..47559, 47630..47842, 48242..48277		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266

Name	OJ991216_07.0301.C8.o10.tw	Method	TBLASTX:Wheat
Start	2278	End	2664
GI	none	Score	354
Exons	2278..2664, 2289..2663		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o4.tm	Method	TBLASTX:Maize
Start	2413	End	2726
GI	none	Score	366
Exons	2413..2724, 2421..2726		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o3.tm	Method	TBLASTX:Maize
Start	3225	End	3547
GI	none	Score	316
Exons	3225..3545, 3232..3546, 3252..3545, 3380..3547		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o13.tw	Method	TBLASTX:Wheat
Start	3679	End	3962
GI	none	Score	123
Exons	3679..3849, 3855..3962		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o9.tm	Method	TBLASTX:Maize
Start	3802	End	44662
GI	none	Score	62
Exons	3802..3912, 3968..4180, 3988..4146, 4001..4156, 4199..4366, 12334..12492, 44504..44662		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o5.ts	Method	TBLASTX:Soybean
Start	3968	End	4366
GI	none	Score	193
Exons	3968..4192, 3985..4146, 4193..4366, 4201..4239		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o4.tc	Method	TBLASTX:Cress
Start	3983	End	4390
GI	none	Score	116
Exons	3983..4183, 4196..4390		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266

Name	OJ991216_07.0301.C8.o1.tw	Method	TBLASTX:Wheat
Start	4016	End	4771
GI	none	Score	634
Exons	4016..4480, 4024..4503, 4524..4754, 4532..4771, 4554..4751, 4612..4761		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o2.ts	Method	TBLASTX:Soybean
Start	4691	End	5155
GI	5509260	Score	377
Exons	4691..5155, 4909..5004, 5077..5136		
GI Descrip.	-		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o2.tc	Method	TBLASTX:Cress
Start	4784	End	5044
GI	none	Score	286
Exons	4784..5044		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o5.tm	Method	TBLASTX:Maize
Start	4825	End	5290
GI	none	Score	364
Exons	4825..5007, 4826..5290, 4961..5143, 5077..5187		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o5.tw	Method	TBLASTX:Wheat
Start	4826	End	5371
GI	none	Score	319
Exons	4826..5170, 4973..5146, 5165..5371, 5239..5361		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o3.ts	Method	TBLASTX:Soybean
Start	5224	End	5569
GI	none	Score	314
Exons	5224..5424, 5225..5569		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o8.tm	Method	TBLASTX:Maize
Start	5380	End	5719
GI	none	Score	318
Exons	5380..5718, 5381..5719		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-

Start	49628	End	54266
Name	OJ991216_07.0301.C8.o2.tw	Method	TBLASTX:Wheat
Start	5575	End	6051
GI	none	Score	101
Exons	5575..5646, 5576..5650, 5664..5972, 5665..6051, 5666..6013		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o7.ts	Method	TBLASTX:Soybean
Start	5582	End	5923
GI	none	Score	91
Exons	5582..5695, 5608..5688, 5714..5923, 5719..5844		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o6.tw	Method	TBLASTX:Wheat
Start	11833	End	45163
GI	none	Score	77
Exons	11833..11958, 11837..11959, 12125..12430, 12145..12441, 12152..12409, 44555..45007, 44569..44655, 44704..44811, 45032..45163, 45037..45162		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o13.tm	Method	TBLASTX:Maize
Start	11869	End	45127
GI	none	Score	77
Exons	11869..11952, 11870..11965, 11953..12039, 44879..45043, 45044..45127		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o8.tw	Method	TBLASTX:Wheat
Start	12562	End	44431
GI	none	Score	46
Exons	12562..12951, 12563..12616, 12638..12928, 44048..44431, 44056..44430		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o7.tm	Method	TBLASTX:Maize
Start	12622	End	44353
GI	none	Score	102
Exons	12622..12834, 12631..12954, 12644..12925, 44048..44353, 44065..44352		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o12.tw	Method	TBLASTX:Wheat
Start	13147	End	43843
GI	none	Score	67

Exons	13147..13407, 13283..13459, 43589..43843		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o9.ts	Method	TBLASTX:Soybean
Start	13207	End	43546
GI	5666795	Score	74
Exons	13207..13407, 13462..13599, 13675..13773, 43262..43375, 43397..43546		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o9.tw	Method	TBLASTX:Wheat
Start	13462	End	43546
GI	none	Score	88
Exons	13462..13611, 13463..13600, 13645..13896, 13646..13831, 13666..13920, 43139..43363, 43159..43365, 43373..43546, 43466..43546		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o4.ts	Method	TBLASTX:Soybean
Start	14521	End	43048
GI	none	Score	310
Exons	14521..14892, 42623..43048, 42682..42807		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o4.tw	Method	TBLASTX:Wheat
Start	14555	End	42993
GI	none	Score	314
Exons	14555..14971, 14557..14970, 42569..42991, 42569..42958, 42679..42993		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o6.tm	Method	TBLASTX:Maize
Start	14644	End	42895
GI	none	Score	242
Exons	14644..15027, 14663..15028, 42512..42895, 42679..42894		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o2.tm	Method	TBLASTX:Maize
Start	15055	End	42484
GI	none	Score	125
Exons	15055..15360, 15055..15411, 15065..15376, 42128..42484, 42182..42430, 42190..42483		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8

Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o3.tw	Method	TBLASTX:Wheat
Start	15079	End	48496
GI	none	Score	218
Exons	15079..15540, 15085..15540, 15086..15541, 41998..42453, 41999..42454, 48395..48496		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o10.ts	Method	TBLASTX:Soybean
Start	15136	End	42403
GI	none	Score	113
Exons	15136..15270, 15277..15501, 42038..42262, 42269..42403		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o7.tw	Method	TBLASTX:Wheat
Start	15706	End	46980
GI	none	Score	172
Exons	15706..16191, 15737..15997, 16055..16192, 41351..41533, 41359..41532, 41570..41806, 41572..41688, 41576..41791, 41731..41796, 46859..46945, 46963..46980		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o11.tw	Method	TBLASTX:Wheat
Start	16931	End	40720
GI	none	Score	97
Exons	16931..17188, 16965..17204, 17163..17264, 17171..17269, 17276..17323, 17448..17483, 40370..40486, 40384..40434, 40445..40720, 40492..40719		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o12.tm	Method	TBLASTX:Maize
Start	17033	End	40606
GI	none	Score	91
Exons	17033..17281, 17034..17318, 40367..40606		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o11.tm	Method	TBLASTX:Maize
Start	28367	End	28663
GI	none	Score	159
Exons	28367..28489, 28380..28493, 28592..28663, 28596..28661		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o3.tc	Method	TBLASTX:Cress
Start	28367	End	28661

GI	none	Score	164
Exons	28367..28489, 28380..28493, 28592..28651, 28596..28661		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o6.ts	Method	TBLASTX:Soybean
Start	28380	End	28667
GI	none	Score	173
Exons	28380..28493, 28388..28489, 28592..28660, 28596..28667		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o10.np	Method	AAT/NAP
Start	49628	End	51354
GI	6721512	Score	101
Exons	49628..49771, 51142..51354		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o10.gs	Method	GENSCAN
Start	51002	End	53892
GI	none	Score	.62
Exons	51002..51076, 51644..51734, 51830..52224, 52328..52474, 52612..52761, 52855..53892		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o12.np	Method	AAT/NAP
Start	51582	End	54266
GI	2829910	Score	1265
Exons	51582..51734, 51830..52556, 52681..54266		
GI Descrip.	(AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana]		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o11.np	Method	AAT/NAP
Start	51650	End	54266
GI	6227017	Score	1256
Exons	51650..51734, 51830..52188, 52328..52474, 52675..52982, 53022..54266		
GI Descrip.	(AC009513) Contains PF\|00169 Pleckstrin homology domain, 6 PF\|00415 Regulator of chromosome condensation (RCC1) domains and a PF\|01363 FYVE Zinc finger domain. [Arabidopsis thaliana]		

Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o8.ts	Method	TBLASTX:Soybean
Start	53032	End	53214
GI	none	Score	216

Exons	53032..53214		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o10.tm	Method	TBLASTX:Maize
Start	53047	End	53257
GI	none	Score	69
Exons	53047..53256, 53056..53193, 53171..53257		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o1.ts	Method	TBLASTX:Soybean
Start	53218	End	54261
GI	none	Score	182
Exons	53218..53712, 53219..53641, 53264..53401, 53401..53715, 53497..53706, 53746..53898, 53752..53952, 53851..53943, 54031..54261, 54037..54063, 54043..54219, 54067..54261		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o1.tc	Method	TBLASTX:Cress
Start	53254	End	54261
GI	none	Score	122
Exons	53254..53397, 53350..53784, 53351..53644, 53497..53778, 53752..53919, 53848..53964, 53851..53943, 53908..53946, 54031..54261, 54031..54216, 54172..54261		
Seq. No.	18292	Seq. ID	OJ991216_07.0301.C8
Gene No.	38332	Strand	-
Start	49628	End	54266
Name	OJ991216_07.0301.C8.o1.tm	Method	TBLASTX:Maize
Start	53258	End	54264
GI	none	Score	82
Exons	53258..53473, 53276..53458, 53371..53646, 53590..53715, 53737..53940, 53738..53971, 53740..54264, 53747..54001, 53752..53955, 54040..54147		
Seq. No.	18293	Seq. ID	OJ991216_07.0301.C10
Gene No.	38333	Strand	+
Start	529	End	2159
Name	OJ991216_07.0301.C10.o1.gs	Method	GENSCAN
Start	529	End	2159
GI	none	Score	.59
Exons	529..787, 1626..1859, 2120..2159		
Seq. No.	18293	Seq. ID	OJ991216_07.0301.C10
Gene No.	38334	Strand	+
Start	4250	End	5487
Name	OJ991216_07.0301.C10.o3.gs	Method	GENSCAN
Start	4250	End	5487
GI	none	Score	.72
Exons	4250..4415, 5004..5188, 5256..5377, 5451..5487		
Seq. No.	18293	Seq. ID	OJ991216_07.0301.C10

Gene No.	38335	Strand	+
Start	6493	End	6621
Name	OJ991216_07.0301.C10.o2.gp	Method	AAT/GAP
Start	6493	End	6621
GI	LIB3474-009-P1-K1-F11	Score	222
Exons	6493..6621		
GI Descrip.	'4455244/emb\|CAB36743.1\| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	18293	Seq. ID	OJ991216_07.0301.C10
Gene No.	38336	Strand	-
Start	2536	End	3194
Name	OJ991216_07.0301.C10.o2.gs	Method	GENSCAN
Start	2536	End	3194
GI	none	Score	.84
Exons	2536..2774, 3146..3194		

Seq. No.	18293	Seq. ID	OJ991216_07.0301.C10
Gene No.	38337	Strand	-
Start	3394	End	3594
Name	OJ991216_07.0301.C10.o1.gp	Method	AAT/GAP
Start	3394	End	3594
GI	2227_1.R1084	Score	305
Exons	3394..3594		
GI Descrip.	'6006355/dbj\|AP000559.1\|AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	18294	Seq. ID	OJ991216_07.0301.C11
Gene No.	38338	Strand	+
Start	1	End	376
Name	OJ991216_07.0301.C11.o1.gp	Method	AAT/GAP
Start	1	End	376
GI	7406_1.R1084	Score	640
Exons	1..376		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	18294	Seq. ID	OJ991216_07.0301.C11
Gene No.	38339	Strand	-
Start	597	End	4111
Name	OJ991216_07.0301.C11.o2.gp	Method	AAT/GAP
Start	319	End	772
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	319..772		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	18294	Seq. ID	OJ991216_07.0301.C11
Gene No.	38339	Strand	-
Start	597	End	4111
Name	OJ991216_07.0301.C11.o1.gs	Method	GENSCAN
Start	597	End	4105
GI	none	Score	.73
Exons	597..757, 909..1111, 1116..1163, 1227..1358, 1449..1486, 1552..1734, 1827..2085, 2162..2460, 2504..2914, 2999..3335, 3441..3591, 3967..4105		

Seq. No.	18294	Seq. ID	OJ991216_07.0301.C11
Gene No.	38339	Strand	-
Start	597	End	4111
Name	OJ991216_07.0301.C11.o1.np	Method	AAT/NAP
Start	877	End	4111
GI	5441880	Score	2419
Exons	877..1111, 1227..1358, 1449..1472, 1509..1582, 1827..2085, 2162..2460, 2999..3335, 3441..3591, 4087..4111		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18294	Seq. ID	OJ991216_07.0301.C11
Gene No.	38339	Strand	-
Start	597	End	4111
Name	OJ991216_07.0301.C11.o3.gp	Method	AAT/GAP
Start	1835	End	2334
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	1835..2085, 2162..2334		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38340	Strand	+
Start	4971	End	5535
Name	OJ991216_07.0301.C12.o1.np	Method	AAT/NAP
Start	4971	End	5279
GI	122106	Score	523
Exons	4971..5279		
GI Descrip.	HISTONE H4 gi\|70771\|pir\|\|HSZM4 histone H4 - maize gi\|81642\|pir\|\|S06904 histone H4 - Arabidopsis thaliana gi\|2119028\|pir\|\|S60475 histone H4 - garden pea gi\|21795\|emb\|CAA24924\| (X00043) histone H4 [Triticum aestivum] gi\|166740 (M17132) histone H4 [Arabidopsis thaliana] gi\|166742 (M17133) histone H4 [Arabidopsis thaliana] gi\|168499 (M36659) histone H4 (H4C13) [Zea mays]		

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38340	Strand	+
Start	4971	End	5535
Name	OJ991216_07.0301.C12.o2.gs	Method	GENSCAN
Start	4971	End	5282
GI	none	Score	1
Exons	4971..5282		

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38340	Strand	+
Start	4971	End	5535
Name	OJ991216_07.0301.C12.o2.gp	Method	AAT/GAP
Start	5007	End	5535
GI	666_4.R1084	Score	901
Exons	5007..5535		
GI Descrip.	'122106/sp\|P02308\|H4_WHEAT 1.0e-33 HISTONE H4 >gi_70771_pir__HSZM4 histone H4 - maize >gi_81642_pir__S06904 histone H4 - Arabidopsis thaliana >gi_2119028_pir__S60475 histone H4 - garden pea >gi_21795_emb_CAA24924_ (X00043) histone		

H4 [Triticum aestivum] >gi_166740 (M17132) histone H4
[Arabidopsis thaliana] >gi_166742 (M17133) histone H4
[Arabidopsis thaliana] >gi_168499 (M36659) histon'

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38341	Strand	-
Start	125	End	4735
Name	OJ991216_07.0301.C12.o1.gs	Method	GENSCAN
Start	125	End	4735
GI	none	Score	.53
Exons	125..336, 622..777, 1139..1181, 1499..1645, 2419..2553, 2861..3236, 3583..3681, 4231..4359, 4408..4538, 4700..4735		

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38341	Strand	-
Start	125	End	4735
Name	OJ991216_07.0301.C12.o2.ts	Method	TBLASTX:Soybean
Start	1307	End	4352
GI	none	Score	100
Exons	1307..1399, 1309..1398, 1493..1603, 1499..1606, 1697..1765, 1697..1771, 2419..2556, 2420..2518, 2855..3022, 2873..2983, 2874..3020, 3092..3235, 3093..3248, 3576..3680, 3583..3687, 4233..4262, 4320..4352		

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38341	Strand	-
Start	125	End	4735
Name	OJ991216_07.0301.C12.o2.tm	Method	TBLASTX:Maize
Start	1318	End	2550
GI	none	Score	132
Exons	1318..1398, 1322..1399, 1496..1603, 1497..1601, 1498..1602, 1499..1606, 1503..1607, 1697..1786, 1697..1786, 1708..1788, 2418..2549, 2419..2550, 2420..2527		

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38341	Strand	-
Start	125	End	4735
Name	OJ991216_07.0301.C12.o1.gp	Method	AAT/GAP
Start	1934	End	2263
GI	3107878	Score	656
Exons	1934..2263		

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38342	Strand	
Start	5015	End	5279
Name	OJ991216_07.0301.C12.o1.tc	Method	TBLASTX:Cress
Start	5015	End	5279
GI	none	Score	410
Exons	5015..5278, 5034..5279		

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38342	Strand	
Start	5015	End	5279
Name	OJ991216_07.0301.C12.o1.tw	Method	TBLASTX:Wheat
Start	5015	End	5279
GI	none	Score	410
Exons	5015..5278, 5034..5279		

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38342	Strand	
Start	5015	End	5279
Name	OJ991216_07.0301.C12.o1.tm	Method	TBLASTX:Maize
Start	5015	End	5279
GI	none	Score	410
Exons	5015..5278, 5034..5279		

Seq. No.	18295	Seq. ID	OJ991216_07.0301.C12
Gene No.	38342	Strand	
Start	5015	End	5279
Name	OJ991216_07.0301.C12.o1.ts	Method	TBLASTX:Soybean
Start	5015	End	5279
GI	none	Score	410
Exons	5015..5278, 5034..5279		

Seq. No.	18296	Seq. ID	OJ991216_07.0301.C14
Gene No.	38343	Strand	-
Start	1	End	736
Name	OJ991216_07.0301.C14.o1.np	Method	AAT/NAP
Start	1	End	418
GI	4559351	Score	144
Exons	1..165, 219..418		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18296	Seq. ID	OJ991216_07.0301.C14
Gene No.	38343	Strand	-
Start	1	End	736
Name	OJ991216_07.0301.C14.o1.gs	Method	GENSCAN
Start	238	End	736
GI	none	Score	.54
Exons	238..484, 560..736		

Seq. No.	18297	Seq. ID	OJ991216_07.0301.C15
Gene No.	38344	Strand	-
Start	1	End	2061
Name	OJ991216_07.0301.C15.o1.np	Method	AAT/NAP
Start	1	End	2033
GI	6572058	Score	710
Exons	1..24, 112..348, 742..1106, 1724..2033		
GI Descrip.	(AL133452) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	18297	Seq. ID	OJ991216_07.0301.C15
Gene No.	38344	Strand	-
Start	1	End	2061
Name	OJ991216_07.0301.C15.o2.ts	Method	TBLASTX:Soybean
Start	109	End	375
GI	none	Score	135
Exons	109..375, 110..346		

Seq. No.	18297	Seq. ID	OJ991216_07.0301.C15
Gene No.	38344	Strand	-
Start	1	End	2061
Name	OJ991216_07.0301.C15.o3.tm	Method	TBLASTX:Maize
Start	111	End	253

GI	none	Score	94
Exons	111..251, 111..251, 113..253, 115..252		

Seq. No.	18297	Seq. ID	OJ991216_07.0301.C15
Gene No.	38344	Strand	-
Start	1	End	2061
Name	OJ991216_07.0301.C15.o1.gs	Method	GENSCAN
Start	112	End	2033
GI	none	Score	.45
Exons	112..236, 738..1106, 1724..2033		

Seq. No.	18297	Seq. ID	OJ991216_07.0301.C15
Gene No.	38344	Strand	-
Start	1	End	2061
Name	OJ991216_07.0301.C15.o1.tc	Method	TBLASTX:Cress
Start	112	End	867
GI	none	Score	99
Exons	112..351, 113..196, 127..342, 751..867, 764..850		

Seq. No.	18297	Seq. ID	OJ991216_07.0301.C15
Gene No.	38344	Strand	-
Start	1	End	2061
Name	OJ991216_07.0301.C15.o1.tm	Method	TBLASTX:Maize
Start	253	End	1410
GI	none	Score	93
Exons	253..351, 284..349, 733..1110, 740..1108, 1314..1370, 1318..1374, 1318..1368, 1320..1373, 1367..1408, 1374..1409, 1375..1410		

Seq. No.	18297	Seq. ID	OJ991216_07.0301.C15
Gene No.	38344	Strand	-
Start	1	End	2061
Name	OJ991216_07.0301.C15.o1.ts	Method	TBLASTX:Soybean
Start	809	End	1866
GI	none	Score	231
Exons	809..1123, 811..1065, 1722..1865, 1726..1866		

Seq. No.	18297	Seq. ID	OJ991216_07.0301.C15
Gene No.	38344	Strand	-
Start	1	End	2061
Name	OJ991216_07.0301.C15.o2.tc	Method	TBLASTX:Cress
Start	871	End	1925
GI	none	Score	87
Exons	871..1059, 890..1051, 1692..1925, 1731..1919		

Seq. No.	18297	Seq. ID	OJ991216_07.0301.C15
Gene No.	38344	Strand	-
Start	1	End	2061
Name	OJ991216_07.0301.C15.o2.tm	Method	TBLASTX:Maize
Start	1722	End	2061
GI	none	Score	300
Exons	1722..2057, 1728..2033, 1960..2061, 1963..2061		

Seq. No.	18297	Seq. ID	OJ991216_07.0301.C15
Gene No.	38344	Strand	-
Start	1	End	2061
Name	OJ991216_07.0301.C15.o1.tw	Method	TBLASTX:Wheat

Start	1728	End	1919
GI	none	Score	64
Exons	1728..1805, 1803..1919, 1804..1878		

Seq. No.	18298	Seq. ID	OJ991216_07.0301.C16
Gene No.	38345	Strand	+
Start	394	End	7367
Name	OJ991216_07.0301.C16.o1.gs	Method	GENSCAN
Start	394	End	7218
GI	none	Score	.46
Exons	394..456, 728..825, 1010..1121, 1138..1218, 1285..1503, 2545..2831, 3372..4162, 5046..5189, 5285..5437, 5620..5735, 6021..6188, 6994..7218		

Seq. No.	18298	Seq. ID	OJ991216_07.0301.C16
Gene No.	38345	Strand	+
Start	394	End	7367
Name	OJ991216_07.0301.C16.o2.tw	Method	TBLASTX:Wheat
Start	2225	End	7218
GI	none	Score	297
Exons	2225..2296, 6993..7181, 6994..7218, 6997..7041		

Seq. No.	18298	Seq. ID	OJ991216_07.0301.C16
Gene No.	38345	Strand	+
Start	394	End	7367
Name	OJ991216_07.0301.C16.o1.np	Method	AAT/NAP
Start	3424	End	7367
GI	1504052	Score	2026
Exons	3424..4162, 5046..5189, 5285..5437, 5620..5735, 6021..6188, 6994..7271, 7321..7367		
GI Descrip.	(D87042) Calcium-dependent protein kinase [Zea mays]		

Seq. No.	18298	Seq. ID	OJ991216_07.0301.C16
Gene No.	38345	Strand	+
Start	394	End	7367
Name	OJ991216_07.0301.C16.o1.tc	Method	TBLASTX:Cress
Start	3660	End	7218
GI	none	Score	781
Exons	3660..3944, 3661..4167, 3987..4163, 5026..5082, 5026..5193, 5045..5188, 5061..5195, 5110..5190, 5275..5436, 5280..5435, 5281..5442, 5621..5746, 5622..5738, 6009..6188, 6014..6148, 6018..6188, 6019..6189, 6975..7184, 6992..7210, 6993..7184, 6994..7218, 6997..7218		

Seq. No.	18298	Seq. ID	OJ991216_07.0301.C16
Gene No.	38345	Strand	+
Start	394	End	7367
Name	OJ991216_07.0301.C16.o1.ts	Method	TBLASTX:Soybean
Start	3660	End	7281
GI	none	Score	763
Exons	3660..3941, 3661..4167, 3871..4167, 5044..5196, 5045..5188, 5128..5190, 5274..5438, 5275..5439, 5569..5739, 5621..5746, 5622..5738, 6009..6188, 6020..6148, 6022..6189, 6136..6189, 6927..6968, 6975..7184, 6993..7211, 6994..7218, 6997..7218, 7073..7219, 7246..7281		

Seq. No.	18298	Seq. ID	OJ991216_07.0301.C16

Gene No.	38345	Strand	+
Start	394	End	7367
Name	OJ991216_07.0301.C16.o1.tm	Method	TBLASTX:Maize
Start	3676	End	7218
GI	none	Score	715
Exons	3676..4167, 3678..4163, 3868..4167, 5023..5193, 5045..5188, 5046..5195, 5047..5190, 5274..5438, 5275..5439, 5275..5442, 5622..5738, 5624..5746, 6009..6188, 6020..6148, 6133..6183, 6975..7184, 6994..7218, 7004..7216		

Seq. No.	18298	Seq. ID	OJ991216_07.0301.C16
Gene No.	38345	Strand	+
Start	394	End	7367
Name	OJ991216_07.0301.C16.o1.tw	Method	TBLASTX:Wheat
Start	3826	End	4113
GI	none	Score	456
Exons	3826..4113, 3843..3944, 3868..4113		

Seq. No.	18298	Seq. ID	OJ991216_07.0301.C16
Gene No.	38345	Strand	+
Start	394	End	7367
Name	OJ991216_07.0301.C16.o3.tw	Method	TBLASTX:Wheat
Start	4117	End	5436
GI	none	Score	81
Exons	4117..4164, 4119..4166, 4120..4167, 5045..5188, 5045..5185, 5065..5193, 5274..5435, 5275..5436		

Seq. No.	18298	Seq. ID	OJ991216_07.0301.C16
Gene No.	38345	Strand	+
Start	394	End	7367
Name	OJ991216_07.0301.C16.o1.gp	Method	AAT/GAP
Start	5098	End	6119
GI	2317329	Score	860
Exons	5098..5189, 5285..5437, 5620..5735, 6021..6119		
GI Descrip.	1632768/dbj\|BAA12338\| 2.0e-80 (D84408) calcium dependent protein kinase [Zea mays]		

Seq. No.	18298	Seq. ID	OJ991216_07.0301.C16
Gene No.	38345	Strand	+
Start	394	End	7367
Name	OJ991216_07.0301.C16.o2.gp	Method	AAT/GAP
Start	6120	End	7219
GI	18079_1.R1084	Score	535
Exons	6120..6188, 6994..7219		
GI Descrip.	'1632768/dbj\|BAA12338\| 2.0e-80 (D84408) calcium dependent protein kinase [Zea mays]'		

Seq. No.	18299	Seq. ID	OJ991216_07.0301.C17
Gene No.	38346	Strand	+
Start	1	End	474
Name	OJ991216_07.0301.C17.o1.gp	Method	AAT/GAP
Start	1	End	474
GI	18079_1.R1084	Score	852
Exons	1..474		
GI Descrip.	'1632768/dbj\|BAA12338\| 2.0e-80 (D84408) calcium dependent protein kinase [Zea mays]'		

Seq. No.	18299	Seq. ID	OJ991216_07.0301.C17
Gene No.	38346	Strand	+
Start	1	End	474
Name	OJ991216_07.0301.C17.o1.np	Method	AAT/NAP
Start	1	End	158
GI	1632768	Score	143
Exons	1..158		
GI Descrip.	(D84408) calcium dependent protein kinase [Zea mays]		

Seq. No.	18299	Seq. ID	OJ991216_07.0301.C17
Gene No.	38347	Strand	+
Start	611	End	2351
Name	OJ991216_07.0301.C17.o1.tm	Method	TBLASTX:Maize
Start	28	End	171
GI	none	Score	195
Exons	28..168, 29..166, 31..171		

Seq. No.	18299	Seq. ID	OJ991216_07.0301.C17
Gene No.	38347	Strand	+
Start	611	End	2351
Name	OJ991216_07.0301.C17.o1.gs	Method	GENSCAN
Start	611	End	2075
GI	none	Score	.46
Exons	611..660, 1883..2075		

Seq. No.	18299	Seq. ID	OJ991216_07.0301.C17
Gene No.	38347	Strand	+
Start	611	End	2351
Name	OJ991216_07.0301.C17.o2.np	Method	AAT/NAP
Start	1192	End	2351
GI	5852093	Score	100
Exons	1192..1298, 2312..2351		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	18300	Seq. ID	OJ991216_07.0301.C18
Gene No.	38348	Strand	+
Start	5583	End	10150
Name	OJ991216_07.0301.C18.o3.gs	Method	GENSCAN
Start	5583	End	10150
GI	none	Score	.42
Exons	5583..6031, 6259..6329, 6524..6602, 8403..8534, 9814..10150		

Seq. No.	18300	Seq. ID	OJ991216_07.0301.C18
Gene No.	38349	Strand	-
Start	1225	End	1492
Name	OJ991216_07.0301.C18.o2.gp	Method	AAT/GAP
Start	1225	End	1492
GI	LIB3434-035-P1-K1-A7	Score	460
Exons	1225..1492		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	18300	Seq. ID	OJ991216_07.0301.C18
Gene No.	38350	Strand	-
Start	3324	End	3905
Name	OJ991216_07.0301.C18.o2.gs	Method	GENSCAN
Start	3324	End	3893

GI	none	Score	.91
Exons	3324..3893		

Seq. No.	18300	Seq. ID	OJ991216_07.0301.C18
Gene No.	38350	Strand	-
Start	3324	End	3905
Name	OJ991216_07.0301.C18.o1.np	Method	AAT/NAP
Start	3332	End	3905
GI	6554478	Score	328
Exons	3332..3905		
GI Descrip.	(AC012394) putative RING zinc finger protein [Arabidopsis thaliana] gi\|6642660\|gb\|AAF20240.1\|AC015450_1 (AC015450) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	18300	Seq. ID	OJ991216_07.0301.C18
Gene No.	38351	Strand	-
Start	11186	End	11266
Name	OJ991216_07.0301.C18.o1.tc	Method	TBLASTX:Cress
Start	3459	End	3836
GI	none	Score	92
Exons	3459..3596, 3469..3597, 3624..3680, 3768..3836		

Seq. No.	18300	Seq. ID	OJ991216_07.0301.C18
Gene No.	38351	Strand	-
Start	11186	End	11266
Name	OJ991216_07.0301.C18.o1.ts	Method	TBLASTX:Soybean
Start	3459	End	3878
GI	none	Score	140
Exons	3459..3596, 3469..3597, 3627..3680, 3628..3681, 3777..3878		

Seq. No.	18300	Seq. ID	OJ991216_07.0301.C18
Gene No.	38351	Strand	-
Start	11186	End	11266
Name	OJ991216_07.0301.C18.o1.tm	Method	TBLASTX:Maize
Start	3549	End	3911
GI	none	Score	54
Exons	3549..3584, 3549..3596, 3550..3597, 3621..3680, 3628..3678, 3642..3680, 3768..3884, 3769..3816, 3864..3911		

Seq. No.	18300	Seq. ID	OJ991216_07.0301.C18
Gene No.	38351	Strand	-
Start	11186	End	11266
Name	OJ991216_07.0301.C18.o4.gs	Method	GENSCAN
Start	11186	End	11266
GI	none	Score	.81
Exons	11186..11266		

Seq. No.	18301	Seq. ID	OJ991216_07.0301.C19
Gene No.	38352	Strand	+
Start	750	End	1413
Name	OJ991216_07.0301.C19.o1.gs	Method	GENSCAN
Start	750	End	1413
GI	none	Score	.64
Exons	750..833, 911..1078, 1116..1318, 1356..1413		

Seq. No.	18301	Seq. ID	OJ991216_07.0301.C19
Gene No.	38353	Strand	-

Start	3723	End	4987
Name	OJ991216_07.0301.C19.o2.gs	Method	GENSCAN
Start	3723	End	4987
GI	none	Score	.64
Exons	3723..3792, 4479..4585, 4619..4987		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38354	Strand	+
Start	2652	End	5018
Name	OJ991216_07.0301.C20.o2.gs	Method	GENSCAN
Start	2652	End	5015
GI	none	Score	.88
Exons	2652..3182, 3560..3670, 3781..3894, 4381..4671, 4751..4861, 4962..5015		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38354	Strand	+
Start	2652	End	5018
Name	OJ991216_07.0301.C20.o2.np	Method	AAT/NAP
Start	2697	End	4861
GI	4455210	Score	809
Exons	2697..3182, 3560..3664, 3805..3894, 4381..4671, 4751..4861		
GI Descrip.	(AL035440) putative aspartate-tRNA ligase [Arabidopsis thaliana]		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38354	Strand	+
Start	2652	End	5018
Name	OJ991216_07.0301.C20.o2.gp	Method	AAT/GAP
Start	3125	End	5018
GI	14298_1.R1084	Score	1348
Exons	3125..3182, 3560..3670, 3781..3894, 4381..4671, 4751..4861, 4962..5018		
GI Descrip.	'3540179 8.0e-30 (AC004122) putative amino acid permease [Arabidopsis thaliana]'		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o1.gp	Method	AAT/GAP
Start	1	End	346
GI	2800727	Score	557
Exons	1..346		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o1.np	Method	AAT/NAP
Start	79	End	3288
GI	4406788	Score	899
Exons	79..632, 790..1155, 3242..3288		
GI Descrip.	(AC006532) unknown protein [Arabidopsis thaliana]		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o2.ts	Method	TBLASTX:Soybean
Start	165	End	386

GI	none	Score	139
Exons	165..386, 193..372		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o2.tm	Method	TBLASTX:Maize
Start	189	End	599
GI	none	Score	255
Exons	189..599, 223..585		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o2.tc	Method	TBLASTX:Cress
Start	405	End	930
GI	none	Score	126
Exons	405..632, 405..638, 406..633, 790..930, 794..928		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o1.gs	Method	GENSCAN
Start	501	End	2073
GI	none	Score	.89
Exons	501..632, 790..1155, 1420..1554, 1762..2073		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o1.tw	Method	TBLASTX:Wheat
Start	922	End	1155
GI	none	Score	177
Exons	922..1155		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o3.ts	Method	TBLASTX:Soybean
Start	946	End	1152
GI	none	Score	112
Exons	946..1152, 959..1117, 961..1140		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o1.tm	Method	TBLASTX:Maize
Start	2849	End	5019
GI	none	Score	497
Exons	2849..3184, 2850..3185, 3556..3666, 3557..3667, 3557..3691, 3564..3668, 3565..3669, 3660..3722, 3779..3889, 3780..3893, 3781..3894, 3781..3894, 4381..4674, 4383..4673, 4748..4861, 4750..4860, 4956..5015, 4960..5019, 4961..5017		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019

Name	OJ991216_07.0301.C20.o4.ts	Method	TBLASTX:Soybean
Start	2850	End	3119
GI	none	Score	62
Exons	2850..2897, 2852..2890, 2903..3055, 2907..3056, 3045..3119		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o1.tc	Method	TBLASTX:Cress
Start	3571	End	4626
GI	none	Score	108
Exons	3571..3657, 3572..3670, 3778..3891, 3792..3893, 4383..4625, 4384..4626, 4386..4625		

Seq. No.	18302	Seq. ID	OJ991216_07.0301.C20
Gene No.	38355	Strand	-
Start	1	End	5019
Name	OJ991216_07.0301.C20.o1.ts	Method	TBLASTX:Soybean
Start	4458	End	5017
GI	none	Score	115
Exons	4458..4673, 4458..4676, 4459..4674, 4748..4861, 4750..4860, 4956..5015, 4961..5017		

Seq. No.	18303	Seq. ID	OJ991216_07.0301.C21
Gene No.	38356	Strand	+
Start	537	End	731
Name	OJ991216_07.0301.C21.o1.np	Method	AAT/NAP
Start	537	End	731
GI	4455210	Score	75
Exons	537..731		
GI Descrip.	(AL035440) putative aspartate-tRNA ligase [Arabidopsis thaliana]		

Seq. No.	18303	Seq. ID	OJ991216_07.0301.C21
Gene No.	38356	Strand	+
Start	537	End	731
Name	OJ991216_07.0301.C21.o1.gp	Method	AAT/GAP
Start	544	End	731
GI	14298_1.R1084	Score	173
Exons	544..625, 708..731		
GI Descrip.	'3540179 8.0e-30 (AC004122) putative amino acid permease [Arabidopsis thaliana]'		

Seq. No.	18303	Seq. ID	OJ991216_07.0301.C21
Gene No.	38357	Strand	-
Start	487	End	549
Name	OJ991216_07.0301.C21.o1.gs	Method	GENSCAN
Start	487	End	549
GI	none	Score	.84
Exons	487..549		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38358	Strand	+
Start	1	End	169
Name	OJ991216_07.0301.C22.o1.gp	Method	AAT/GAP
Start	1	End	169
GI	14298_1.R1084	Score	312
Exons	1..169		

GI Descrip.	'3540179 8.0e-30 (AC004122) putative amino acid permease [Arabidopsis thaliana]'		
Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38359	Strand	+
Start	5182	End	5391
Name	OJ991216_07.0301.C22.o2.gp	Method	AAT/GAP
Start	5182	End	5391
GI	none	Score	270
Exons	5182..5391		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38360	Strand	-
Start	3725	End	7074
Name	OJ991216_07.0301.C22.o2.gs	Method	GENSCAN
Start	3725	End	7074
GI	none	Score	.45
Exons	3725..3922, 4707..4851, 5417..5634, 6062..6133, 6227..6346, 6458..6649, 7027..7074		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38360	Strand	-
Start	3725	End	7074
Name	OJ991216_07.0301.C22.o2.tm	Method	TBLASTX:Maize
Start	4310	End	4769
GI	none	Score	287
Exons	4310..4489, 4313..4489, 4669..4743, 4671..4766, 4671..4769		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38360	Strand	-
Start	3725	End	7074
Name	OJ991216_07.0301.C22.o2.ts	Method	TBLASTX:Soybean
Start	4337	End	4751
GI	4105552	Score	188
Exons	4337..4477, 4411..4476, 4671..4751		
GI Descrip.	-		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38360	Strand	-
Start	3725	End	7074
Name	OJ991216_07.0301.C22.o1.ts	Method	TBLASTX:Soybean
Start	5401	End	6652
GI	none	Score	217
Exons	5401..5637, 5420..5641, 5423..5635, 5469..5636, 6062..6133, 6227..6346, 6228..6347, 6317..6352, 6458..6652, 6459..6650, 6460..6651		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38360	Strand	-
Start	3725	End	7074
Name	OJ991216_07.0301.C22.o1.tm	Method	TBLASTX:Maize
Start	5404	End	6600
GI	none	Score	280
Exons	5404..5637, 5405..5635, 5457..5636, 6060..6143, 6061..6144, 6213..6347, 6227..6349, 6228..6347, 6230..6349, 6458..6598, 6459..6587, 6460..6600		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38360	Strand	-
Start	3725	End	7074
Name	OJ991216_07.0301.C22.o2.tc	Method	TBLASTX:Cress
Start	5408	End	5641
GI	none	Score	194
Exons	5408..5635, 5419..5637, 5446..5637, 5462..5641		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38360	Strand	-
Start	3725	End	7074
Name	OJ991216_07.0301.C22.o1.np	Method	AAT/NAP
Start	5413	End	6651
GI	6553913	Score	638
Exons	5413..5634, 6062..6133, 6227..6346, 6458..6651		
GI Descrip.	(AC012329) unknown protein [Arabidopsis thaliana] gi\|6723402\|emb\|CAB66411.1\| (AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38360	Strand	-
Start	3725	End	7074
Name	OJ991216_07.0301.C22.o3.gp	Method	AAT/GAP
Start	6046	End	6617
GI	LIB3477-003-P1-K1-B12	Score	601
Exons	6046..6133, 6227..6346, 6458..6617		
GI Descrip.	'3874563/emb\|CAB02797.1\| 5.0e-14 (Z81042) similar to Yeast hypothetical protein YEY6 like; cDNA EST yk206h5.3 comes from this gene; cDNA EST yk206h5.5 comes from this gene; cDNA EST yk303h1.3 comes from this gene; cDNA EST yk303h1.5 comes from this gene; cDN... >gi_3924825_emb_CAB05549.1_ (Z83113) similar to Yeast hypothetical protein YEY6 like; cDNA EST yk206h5.3 comes from '		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38360	Strand	-
Start	3725	End	7074
Name	OJ991216_07.0301.C22.o4.gp	Method	AAT/GAP
Start	6209	End	6651
GI	26768_1.R1084	Score	565
Exons	6209..6346, 6458..6651		
GI Descrip.	'3874563/emb\|CAB02797.1\| 2.0e-48 (Z81042) similar to Yeast hypothetical protein YEY6 like; cDNA EST yk206h5.3 comes from this gene; cDNA EST yk206h5.5 comes from this gene; cDNA EST yk303h1.3 comes from this gene; cDNA EST yk303h1.5 comes from this gene; cDN... >gi_3924825_emb_CAB05549.1_ (Z83113) similar to Yeast hypothetical protein YEY6 like; cDNA EST yk206h5.3 comes from this gen'		

Seq. No.	18304	Seq. ID	OJ991216_07.0301.C22
Gene No.	38360	Strand	-
Start	3725	End	7074
Name	OJ991216_07.0301.C22.o1.tc	Method	TBLASTX:Cress
Start	6239	End	6652
GI	none	Score	82
Exons	6239..6349, 6240..6347, 6458..6652, 6459..6650, 6472..6651, 6473..6652		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38361	Strand	+
Start	4499	End	6685
Name	OJ991216_07.0301.C23.o2.np	Method	AAT/NAP
Start	4499	End	6685
GI	4164578	Score	61
Exons	4499..4652, 6631..6685		
GI Descrip.	(AF098947) CTF2B [Arabidopsis thaliana]		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38362	Strand	-
Start	1	End	5038
Name	OJ991216_07.0301.C23.o1.gp	Method	AAT/GAP
Start	1	End	2088
GI	26768_1.R1084	Score	868
Exons	1..28, 465..564, 995..1141, 1857..2088		
GI Descrip.	'3874563/emb\|CAB02797.1\| 2.0e-48 (Z81042) similar to Yeast hypothetical protein YEY6 like; cDNA EST yk206h5.3 comes from this gene; cDNA EST yk206h5.5 comes from this gene; cDNA EST yk303h1.3 comes from this gene; cDNA EST yk303h1.5 comes from this gene; cDN... >gi_3924825_emb_CAB05549.1_ (Z83113) similar to Yeast hypothetical protein YEY6 like; cDNA EST yk206h5.3 comes from this gen"		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38362	Strand	-
Start	1	End	5038
Name	OJ991216_07.0301.C23.o1.np	Method	AAT/NAP
Start	1	End	2060
GI	6553913	Score	373
Exons	1..29, 466..564, 995..1141, 1857..2060		
GI Descrip.	(AC012329) unknown protein [Arabidopsis thaliana] gi\|6723402\|emb\|CAB66411.1\| (AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38362	Strand	-
Start	1	End	5038
Name	OJ991216_07.0301.C23.o1.gs	Method	GENSCAN
Start	466	End	5038
GI	none	Score	.55
Exons	466..564, 995..1141, 1857..2114, 4373..4517, 4899..5038		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38363	Strand	-
Start	6656	End	12567
Name	OJ991216_07.0301.C23.o1.tc	Method	TBLASTX:Cress
Start	445	End	1979
GI	none	Score	123
Exons	445..576, 982..1125, 989..1147, 995..1141, 1854..1979, 1861..1974		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38363	Strand	-
Start	6656	End	12567
Name	OJ991216_07.0301.C23.o1.ts	Method	TBLASTX:Soybean

Start	995	End	1974
GI	none	Score	100
Exons	995..1141, 996..1136, 1843..1974, 1854..1973		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38363	Strand	-
Start	6656	End	12567
Name	OJ991216_07.0301.C23.o2.tm	Method	TBLASTX:Maize
Start	1010	End	8781
GI	none	Score	203
Exons	1010..1141, 1011..1142, 1012..1143, 1012..1143, 1013..1144, 1854..2012, 1858..1989, 1992..2054, 1993..2055, 2041..2088, 2062..2136, 2102..2149, 2103..2150, 2123..2149, 8713..8781		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38363	Strand	-
Start	6656	End	12567
Name	OJ991216_07.0301.C23.o2.gp	Method	AAT/GAP
Start	6656	End	7658
GI	98684_1.R1084	Score	1701
Exons	6656..7223, 7334..7658		
GI Descrip.	'2245125/emb\|CAB10547.1\| 6.0e-15 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38363	Strand	-
Start	6656	End	12567
Name	OJ991216_07.0301.C23.o2.gs	Method	GENSCAN
Start	7034	End	12567
GI	none	Score	.56
Exons	7034..7097, 7334..7587, 7769..7893, 8235..8304, 8381..8526, 8559..8611, 10822..10983, 11064..11389, 12264..12337, 12468..12567		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38363	Strand	-
Start	6656	End	12567
Name	OJ991216_07.0301.C23.o3.np	Method	AAT/NAP
Start	7037	End	7414
GI	2245125	Score	160
Exons	7037..7223, 7334..7414		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38363	Strand	-
Start	6656	End	12567
Name	OJ991216_07.0301.C23.o1.tm	Method	TBLASTX:Maize
Start	7178	End	11339
GI	none	Score	60
Exons	7178..7225, 7192..7248, 7346..7399, 7354..7398, 10914..10985, 10915..10986, 10966..10986, 11063..11173, 11064..11171, 11261..11338, 11268..11339		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38363	Strand	-
Start	6656	End	12567
Name	OJ991216_07.0301.C23.o3.gp	Method	AAT/GAP

Start	10225	End	10695
GI	none	Score	727
Exons	10225..10522, 10602..10695		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38363	Strand	-
Start	6656	End	12567
Name	OJ991216_07.0301.C23.o4.np	Method	AAT/NAP
Start	10796	End	11127
GI	2245125	Score	104
Exons	10796..10983, 11064..11127		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18305	Seq. ID	OJ991216_07.0301.C23
Gene No.	38363	Strand	-
Start	6656	End	12567
Name	OJ991216_07.0301.C23.o4.gp	Method	AAT/GAP
Start	11068	End	11489
GI	none	Score	812
Exons	11068..11489		

Seq. No.	18306	Seq. ID	OJ991216_07.0301.C24
Gene No.	38364	Strand	-
Start	3822	End	8980
Name	OJ991216_07.0301.C24.o1.gs	Method	GENSCAN
Start	3822	End	8905
GI	none	Score	.44
Exons	3822..3907, 3989..4050, 4055..4219, 4316..4620, 6907..7081, 7342..7449, 7523..7861, 8053..8367, 8451..8634, 8759..8905		

Seq. No.	18306	Seq. ID	OJ991216_07.0301.C24
Gene No.	38364	Strand	-
Start	3822	End	8980
Name	OJ991216_07.0301.C24.o1.np	Method	AAT/NAP
Start	4029	End	4557
GI	2245125	Score	148
Exons	4029..4219, 4316..4557		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18306	Seq. ID	OJ991216_07.0301.C24
Gene No.	38364	Strand	-
Start	3822	End	8980
Name	OJ991216_07.0301.C24.o2.np	Method	AAT/NAP
Start	6571	End	8980
GI	4680209	Score	346
Exons	6571..6670, 8196..8367, 8451..8816, 8931..8980		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	18306	Seq. ID	OJ991216_07.0301.C24
Gene No.	38364	Strand	-
Start	3822	End	8980
Name	OJ991216_07.0301.C24.o1.tm	Method	TBLASTX:Maize
Start	8205	End	8912
GI	none	Score	78
Exons	8205..8366, 8221..8364, 8456..8566, 8457..8558, 8567..8638, 8574..8639, 8636..8686, 8636..8686, 8727..8912, 8737..8907		

Seq. No.	18307	Seq. ID	OJ991216_07.0301.C25
Gene No.	38365	Strand	+
Start	10	End	35
Name	OJ991216_07.0301.C25.o1.gs	Method	GENSCAN
Start	10	End	35
GI	none	Score	.91
Exons	10..35		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38366	Strand	+
Start	1	End	5890
Name	OJ990426_25.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	4822
GI	6633835	Score	1508
Exons	1..31, 325..424, 791..1050, 1141..1222, 1317..1412, 1494..1708, 1758..1916, 2020..2224, 2662..2846, 2938..3191, 3343..3506, 3782..4351, 4586..4822		
GI Descrip.	(AC008047) F2K11.1 [Arabidopsis thaliana]		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38366	Strand	+
Start	1	End	5890
Name	OJ990426_25.9819.C1.o1.gs	Method	GENSCAN
Start	344	End	5890
GI	none	Score	.77
Exons	344..757, 1141..1222, 1317..1673, 2648..2846, 2938..3191, 3343..3506, 3782..4338, 4586..4689, 5560..5608, 5791..5890		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	629	End	2127
GI	none	Score	71
Exons	629..772, 1307..1414, 1341..1424, 1487..1690, 1492..1665, 1736..1915, 1810..1911, 1812..1916, 2032..2127, 2035..2127		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o4.ts	Method	TBLASTX:Soybean
Start	1292	End	2198
GI	none	Score	117
Exons	1292..1414, 1341..1388, 1487..1576, 1492..1575, 1589..1678, 1807..1911, 1808..1915, 1812..1916, 2019..2114, 2020..2127, 2127..2198		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o3.tc	Method	TBLASTX:Cress
Start	1316	End	3520
GI	none	Score	87
Exons	1316..1414, 1457..1690, 1492..1668, 1808..1915, 1809..1916, 2019..2117, 2020..2127, 2127..2198, 2709..2846, 2710..2826, 2929..3192, 2930..3193, 2930..3196, 3339..3506, 3341..3520		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	2688	End	3532
GI	none	Score	56
Exons	2688..2714, 2688..2846, 2689..2826, 2693..2845, 2760..2855, 2929..3204, 2930..3208, 2930..3205, 3078..3221, 3304..3429, 3306..3458, 3332..3457, 3446..3532, 3459..3506		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o3.ts	Method	TBLASTX:Soybean
Start	2692	End	3404
GI	none	Score	131
Exons	2692..2826, 2712..2846, 2929..3192, 2930..3193, 2930..3199, 3339..3404		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o3.tw	Method	TBLASTX:Wheat
Start	3094	End	3508
GI	none	Score	128
Exons	3094..3192, 3095..3193, 3095..3193, 3333..3506, 3341..3508, 3341..3508		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o6.tm	Method	TBLASTX:Maize
Start	3898	End	4713
GI	none	Score	54
Exons	3898..4002, 3941..4003, 3945..4340, 3971..4339, 4006..4356, 4012..4341, 4592..4636, 4639..4713		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o2.gp	Method	AAT/GAP
Start	6616	End	7313
GI	25554_1.R1084	Score	1161
Exons	6616..7174, 7263..7313		
GI Descrip.	'2062169 4.0e-31 (AC001645) ABC transporter (PDR5-like) isolog [Arabidopsis thaliana]'		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	6884	End	11839
GI	none	Score	43
Exons	6884..6946, 6906..6956, 7061..7174, 7062..7175, 7258..7380, 7263..7370, 7425..7517, 7429..7518, 7591..7770, 7592..7774, 7851..8075, 7859..8080, 7921..8082, 8182..8229, 8186..8350, 8196..8315, 8428..8514, 8429..8506, 8583..8735, 8587..8736,		

10366..10443, 11672..11749, 11744..11839

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o2.gs	Method	GENSCAN
Start	6905	End	19688
GI	none	Score	.84
Exons	6905..7174, 7263..7517, 7597..7768, 8187..8320, 8592..8882, 9090..9437, 9544..9719, 9802..9918, 10003..10159, 10333..10448, 10546..10706, 10790..11106, 11192..11473, 11570..11871, 13200..13290, 13539..13591, 14426..14479, 14946..15073, 15456..15910, 16812..16902, 19189..19505, 19596..19688		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o2.np	Method	AAT/NAP
Start	6908	End	19616
GI	5103820	Score	4581
Exons	6908..7174, 7263..7517, 7597..7768, 7851..8078, 8187..8320, 8428..8511, 8592..8882, 9105..9437, 9544..9619, 9816..9918, 9976..10156, 10339..10448, 10546..10706, 10790..11106, 11192..11473, 11570..11871, 13200..13290, 14426..14479, 14946..15022, 15456..15910, 19189..19467, 19507..19616		
GI Descrip.	(AC007591) Similar to gb\|Z70524 PDR5-like ABC transporter from Spirodela polyrrhiza and is a member of the PF\|00005 ABC transporter family. ESTs gb\|N97039 and gb\|T43169 come from this gene. [Arabidopsis thaliana]		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	7013	End	11863
GI	none	Score	76
Exons	7013..7069, 7079..7186, 7089..7175, 7094..7171, 7258..7470, 7263..7370, 7425..7517, 7452..7532, 7594..7770, 7595..7753, 7853..8086, 7854..8081, 8175..8312, 8186..8329, 8204..8335, 8428..8514, 8429..8512, 8589..8885, 8590..8829, 8592..8885, 9123..9437, 9133..9438, 9150..9440, 9539..9628, 9547..9627, 10025..10141, 10345..10443, 10361..10438, 10366..10443, 10366..10443, 10368..10457, 10563..10709, 10604..10708, 10780..10830, 10786..10941, 11672..11749, 11744..11863		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	7079	End	10443
GI	none	Score	63
Exons	7079..7177, 7083..7172, 7266..7370, 7267..7440, 7425..7517, 7591..7770, 7592..7774, 7851..8078, 7853..8089, 8186..8347, 8199..8321, 8258..8335, 8428..8514, 8429..8512, 10366..10443		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-

Start	6905	End	19688
Name	OJ990426_25.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	7139	End	10962
GI	none	Score	96
Exons	7139..7171, 10411..10443, 10413..10490, 10604..10708, 10780..10962, 10802..10954, 10807..10959		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o4.tw	Method	TBLASTX:Wheat
Start	7443	End	7729
GI	none	Score	91
Exons	7443..7517, 7594..7728, 7613..7729		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	7730	End	11749
GI	none	Score	56
Exons	7730..7777, 7730..7777, 7850..8077, 7850..8086, 7851..8081, 8182..8322, 8186..8350, 8187..8321, 8427..8513, 8428..8514, 8429..8521, 8583..8720, 8592..8723, 11672..11749		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o5.tm	Method	TBLASTX:Maize
Start	8638	End	8883
GI	none	Score	290
Exons	8638..8883, 8640..8882		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o2.tc	Method	TBLASTX:Cress
Start	8737	End	15802
GI	none	Score	139
Exons	8737..8844, 8739..8879, 8756..8926, 8757..8879, 9111..9437, 9111..9437, 9133..9438, 9539..9631, 9547..9639, 15484..15609, 15485..15610, 15638..15802		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	9111	End	15730
GI	none	Score	172
Exons	9111..9374, 9111..9437, 9133..9438, 9539..9604, 9544..9606, 9544..9606, 15484..15609, 15638..15730		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o8.tm	Method	TBLASTX:Maize
Start	10795	End	10972

GI	none	Score	72
Exons	10795..10971, 10805..10972		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o4.tc	Method	TBLASTX:Cress
Start	10825	End	11248
GI	none	Score	169
Exons	10825..11115, 10826..11116, 11189..11248		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	11189	End	11671
GI	none	Score	181
Exons	11189..11476, 11199..11474, 11564..11671, 11565..11669		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o9.tm	Method	TBLASTX:Maize
Start	11192	End	11359
GI	none	Score	120
Exons	11192..11359, 11199..11354		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o5.tc	Method	TBLASTX:Cress
Start	11351	End	11671
GI	none	Score	96
Exons	11351..11476, 11367..11474, 11561..11671, 11562..11669		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o7.tm	Method	TBLASTX:Maize
Start	11651	End	13293
GI	none	Score	163
Exons	11651..11872, 11652..11873, 13189..13293, 13199..13291		

Seq. No.	18308	Seq. ID	OJ990426_25.9819.C1
Gene No.	38367	Strand	-
Start	6905	End	19688
Name	OJ990426_25.9819.C1.o5.ts	Method	TBLASTX:Soybean
Start	15853	End	19445
GI	none	Score	59
Exons	15853..15912, 19188..19313, 19189..19275, 19368..19445, 19392..19445		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38368	Strand	+
Start	4329	End	10658
Name	OJ990426_25.9819.C2.o2.gs	Method	GENSCAN
Start	4329	End	10658

GI	none	Score	.84
Exons	4329..4390, 5253..5334, 6071..6152, 10579..10658		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38369	Strand	+
Start	11498	End	20217
Name	OJ990426_25.9819.C2.o1.np	Method	AAT/NAP
Start	11498	End	20217
GI	5922631	Score	6165
Exons	11498..11622, 11881..12149, 12417..12952, 12995..13145, 13272..14198, 14805..15367, 18255..20217		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38369	Strand	+
Start	11498	End	20217
Name	OJ990426_25.9819.C2.o3.gs	Method	GENSCAN
Start	11498	End	16877
GI	none	Score	.64
Exons	11498..12637, 12702..12809, 12842..13718, 13950..14190, 14287..15367, 16045..16395, 16761..16877		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o9.tw	Method	TBLASTX:Wheat
Start	12617	End	12958
GI	none	Score	196
Exons	12617..12958		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	13538	End	14335
GI	none	Score	145
Exons	13538..13714, 13540..13647, 13759..13989, 13763..13993, 14042..14335, 14107..14331		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	14255	End	14620
GI	none	Score	140
Exons	14255..14479, 14486..14620		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o7.tw	Method	TBLASTX:Wheat

Start	14336	End	14570
GI	none	Score	259
Exons	14336..14569, 14356..14568, 14357..14569, 14409..14570		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	14345	End	14701
GI	none	Score	378
Exons	14345..14701, 14386..14577		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	14570	End	14989
GI	none	Score	452
Exons	14570..14989, 14603..14986, 14878..14988		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	14729	End	15112
GI	none	Score	335
Exons	14729..15112, 14881..15111		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	14864	End	15238
GI	none	Score	303
Exons	14864..15238, 14881..15024, 14897..15178		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o6.tw	Method	TBLASTX:Wheat
Start	15034	End	18350
GI	none	Score	339
Exons	15034..15219, 15035..15364, 18258..18350		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	18378	End	18766
GI	none	Score	86
Exons	18378..18482, 18386..18472, 18522..18764, 18527..18766		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	18387	End	18809

GI	none	Score	418
Exons	18387..18809, 18392..18733		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	18440	End	18713
GI	none	Score	128
Exons	18440..18610, 18441..18611, 18615..18713, 18647..18712		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	19120	End	19448
GI	none	Score	435
Exons	19120..19443, 19140..19448		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o4.tw	Method	TBLASTX:Wheat
Start	19125	End	19512
GI	none	Score	404
Exons	19125..19436, 19126..19512, 19327..19512		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o5.tw	Method	TBLASTX:Wheat
Start	19627	End	20241
GI	none	Score	257
Exons	19627..19905, 19647..19736, 19782..19889, 19960..20118, 20116..20241		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	19960	End	20202
GI	none	Score	153
Exons	19960..20121, 20100..20201, 20101..20202		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o5.gs	Method	GENSCAN
Start	20575	End	23484
GI	none	Score	.85
Exons	20575..21026, 21088..21192, 21265..21454, 21529..21716, 21794..22149, 22226..22515, 22602..22783, 22842..23484		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o2.np	Method	AAT/NAP

Start	20587	End	23484
GI	6691716	Score	2473
Exons	20587..21026, 21088..21200, 21351..21454, 21529..21716, 21794..21973, 22052..22149, 22226..22400, 22592..23484		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	18309	Seq. ID	OJ990426_25.9819.C2
Gene No.	38370	Strand	-
Start	20575	End	23484
Name	OJ990426_25.9819.C2.o8.tw	Method	TBLASTX:Wheat
Start	23074	End	23388
GI	none	Score	59
Exons	23074..23388, 23111..23224		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38371	Strand	+
Start	523	End	2140
Name	OJ990426_25.9819.C3.o1.gp	Method	AAT/GAP
Start	523	End	2140
GI	5003807	Score	721
Exons	523..659, 801..884, 1484..1537, 2014..2140		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38372	Strand	+
Start	2692	End	6135
Name	OJ990426_25.9819.C3.o2.gs	Method	GENSCAN
Start	2692	End	6066
GI	none	Score	.42
Exons	2692..3654, 4099..4237, 4676..6066		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38372	Strand	+
Start	2692	End	6135
Name	OJ990426_25.9819.C3.o1.np	Method	AAT/NAP
Start	2704	End	6135
GI	4539660	Score	2009
Exons	2704..2758, 2855..3884, 4155..4578, 4645..6135		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38372	Strand	+
Start	2692	End	6135
Name	OJ990426_25.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	4762	End	5148
GI	none	Score	64
Exons	4762..4845, 4912..5148, 4932..5090		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38372	Strand	+
Start	2692	End	6135
Name	OJ990426_25.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	4792	End	5274
GI	none	Score	49
Exons	4792..4842, 4803..5036, 4860..5270, 4903..5274		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38372	Strand	+
Start	2692	End	6135
Name	OJ990426_25.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	5160	End	5661
GI	none	Score	183
Exons	5160..5294, 5161..5346, 5347..5661, 5370..5549, 5501..5629		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38372	Strand	+
Start	2692	End	6135
Name	OJ990426_25.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	5251	End	5610
GI	none	Score	432
Exons	5251..5610, 5253..5609		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38372	Strand	+
Start	2692	End	6135
Name	OJ990426_25.9819.C3.o3.tw	Method	TBLASTX:Wheat
Start	5323	End	5625
GI	none	Score	340
Exons	5323..5625, 5361..5621		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38372	Strand	+
Start	2692	End	6135
Name	OJ990426_25.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	5626	End	6051
GI	none	Score	541
Exons	5626..6051, 5628..5993, 5680..6036, 6012..6050		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38372	Strand	+
Start	2692	End	6135
Name	OJ990426_25.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	5635	End	5880
GI	none	Score	207
Exons	5635..5880, 5637..5777, 5817..5876		

Seq. No.	18310	Seq. ID	OJ990426_25.9819.C3
Gene No.	38372	Strand	+
Start	2692	End	6135
Name	OJ990426_25.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	5695	End	6053
GI	none	Score	492
Exons	5695..6051, 5695..6048, 5697..6053		

Seq. No.	18311	Seq. ID	OJ990426_25.9819.C4
Gene No.	38373	Strand	+
Start	1	End	1499
Name	OJ990426_25.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	1495
GI	4539660	Score	1343
Exons	1..1495		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	18311	Seq. ID	OJ990426_25.9819.C4
Gene No.	38373	Strand	+
Start	1	End	1499
Name	OJ990426_25.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	88	End	528
GI	none	Score	419
Exons	88..528, 153..527		

Seq. No.	18311	Seq. ID	OJ990426_25.9819.C4
Gene No.	38373	Strand	+
Start	1	End	1499
Name	OJ990426_25.9819.C4.o1.gs	Method	GENSCAN
Start	95	End	1499
GI	none	Score	.64
Exons	95..541, 1034..1246, 1308..1499		

Seq. No.	18311	Seq. ID	OJ990426_25.9819.C4
Gene No.	38373	Strand	+
Start	1	End	1499
Name	OJ990426_25.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	313	End	687
GI	none	Score	139
Exons	313..492, 327..530, 505..687, 615..686		

Seq. No.	18311	Seq. ID	OJ990426_25.9819.C4
Gene No.	38373	Strand	+
Start	1	End	1499
Name	OJ990426_25.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	325	End	588
GI	none	Score	353
Exons	325..588, 327..584		

Seq. No.	18311	Seq. ID	OJ990426_25.9819.C4
Gene No.	38373	Strand	+
Start	1	End	1499
Name	OJ990426_25.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	538	End	1161
GI	none	Score	617
Exons	538..1161, 540..980		

Seq. No.	18311	Seq. ID	OJ990426_25.9819.C4
Gene No.	38373	Strand	+
Start	1	End	1499
Name	OJ990426_25.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	592	End	811
GI	none	Score	239
Exons	592..810, 618..809, 619..810, 710..811		

Seq. No.	18311	Seq. ID	OJ990426_25.9819.C4
Gene No.	38373	Strand	+
Start	1	End	1499
Name	OJ990426_25.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	822	End	1254
GI	none	Score	585
Exons	822..1016, 823..1254, 826..1254		

Seq. No.	18311	Seq. ID	OJ990426_25.9819.C4

Gene No.	38373	Strand	+
Start	1	End	1499
Name	OJ990426_25.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	1168	End	1485
GI	none	Score	138
Exons	1168..1284, 1173..1271, 1307..1483, 1324..1485		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38374	Strand	+
Start	317	End	445
Name	OJ990426_25.9819.C5.o1.gp	Method	AAT/GAP
Start	317	End	445
GI	5003807	Score	226
Exons	317..445		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38375	Strand	+
Start	1855	End	1958
Name	OJ990426_25.9819.C5.o2.gp	Method	AAT/GAP
Start	1855	End	1958
GI	17629_1.R1084	Score	110
Exons	1855..1958		
GI Descrip.	'3269297/emb\|CAA19730.1\| 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana]'		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38376	Strand	+
Start	3094	End	3621
Name	OJ990426_25.9819.C5.o3.gp	Method	AAT/GAP
Start	3004	End	3478
GI	10605_2.R1084	Score	707
Exons	3004..3219, 3308..3478		
GI Descrip.	'445612/prf\|\|1909359A 2.0e-55 ribosomal protein S19 [Solanum tuberosum]'		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38376	Strand	+
Start	3094	End	3621
Name	OJ990426_25.9819.C5.o2.gs	Method	GENSCAN
Start	3094	End	3621
GI	none	Score	.8
Exons	3094..3219, 3308..3621		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38376	Strand	+
Start	3094	End	3621
Name	OJ990426_25.9819.C5.o2.np	Method	AAT/NAP
Start	3106	End	3478
GI	445612	Score	357
Exons	3106..3219, 3308..3478		
GI Descrip.	ribosomal protein S19 [Solanum tuberosum]		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38377	Strand	-
Start	424	End	3644
Name	OJ990426_25.9819.C5.o1.np	Method	AAT/NAP
Start	424	End	3644

GI	2392772	Score	209
Exons	424..448, 1700..2259, 3620..3644		
GI Descrip.	(AC002534) putative chloroplast prephenate dehydratase [Arabidopsis thaliana]		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38377	Strand	-
Start	424	End	3644
Name	OJ990426_25.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	1740	End	1884
GI	none	Score	67
Exons	1740..1853, 1745..1792, 1750..1884		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38377	Strand	-
Start	424	End	3644
Name	OJ990426_25.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	3090	End	3478
GI	none	Score	180
Exons	3090..3218, 3094..3219, 3127..3249, 3299..3364, 3410..3439, 3446..3478		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38377	Strand	-
Start	424	End	3644
Name	OJ990426_25.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	3093	End	3478
GI	none	Score	185
Exons	3093..3218, 3094..3219, 3127..3249, 3299..3478, 3353..3424, 3355..3477		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38377	Strand	-
Start	424	End	3644
Name	OJ990426_25.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	3103	End	3478
GI	none	Score	163
Exons	3103..3219, 3299..3478, 3355..3477		

Seq. No.	18312	Seq. ID	OJ990426_25.9819.C5
Gene No.	38377	Strand	-
Start	424	End	3644
Name	OJ990426_25.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	3109	End	3478
GI	none	Score	162
Exons	3109..3219, 3299..3478, 3361..3477		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38378	Strand	+
Start	1477	End	1912
Name	OJ990426_25.9819.C6.o1.gp	Method	AAT/GAP
Start	1477	End	1912
GI	none	Score	868
Exons	1477..1912		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38379	Strand	+

Start	2851	End	3334
Name	OJ990426_25.9819.C6.o2.gp	Method	AAT/GAP
Start	2851	End	3334
GI	10605_2.R1084	Score	635
Exons	2851..2945, 3072..3334		
GI Descrip.	'445612/prf\|\|1909359A 2.0e-55 ribosomal protein S19 [Solanum tuberosum]'		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38379	Strand	+
Start	2851	End	3334
Name	OJ990426_25.9819.C6.o1.gs	Method	GENSCAN
Start	2859	End	3104
GI	none	Score	.96
Exons	2859..2945, 3072..3104		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38379	Strand	+
Start	2851	End	3334
Name	OJ990426_25.9819.C6.o1.np	Method	AAT/NAP
Start	2859	End	3098
GI	5932542	Score	112
Exons	2859..2945, 3072..3098		
GI Descrip.	(AC009465) putative ribosomal protein s19 or s24 [Arabidopsis thaliana]		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38380	Strand	-
Start	3661	End	6983
Name	OJ990426_25.9819.C6.o2.gs	Method	GENSCAN
Start	3661	End	6747
GI	none	Score	.96
Exons	3661..3770, 4582..4641, 4779..4887, 4966..5069, 5415..6129, 6608..6747		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38380	Strand	-
Start	3661	End	6983
Name	OJ990426_25.9819.C6.o3.gp	Method	AAT/GAP
Start	3928	End	5609
GI	17292_1.R1084	Score	1587
Exons	3928..4324, 4582..4641, 4779..4887, 4966..5069, 5415..5609		
GI Descrip.	'2651300 9.0e-35 (AC002336) putative initiator tRNA phosphoribosyl-transferase [Arabidopsis thaliana]'		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38380	Strand	-
Start	3661	End	6983
Name	OJ990426_25.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	4147	End	4813
GI	none	Score	178
Exons	4147..4326, 4149..4325, 4580..4642, 4581..4643, 4766..4813, 4774..4812		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38380	Strand	-
Start	3661	End	6983

Name	OJ990426_25.9819.C6.o2.np	Method	AAT/NAP
Start	4158	End	6983
GI	2651300	Score	996
Exons	4158..4324, 4779..4887, 4966..5054, 5403..5478, 5506..6129, 6599..6983		
GI Descrip.	(AC002336) putative initiator tRNA phosphoribosyl-transferase [Arabidopsis thaliana]		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38380	Strand	-
Start	3661	End	6983
Name	OJ990426_25.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	4173	End	5056
GI	none	Score	113
Exons	4173..4328, 4186..4350, 4578..4646, 4580..4642, 4766..4885, 4774..4884, 4957..5055, 4967..5056		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38380	Strand	-
Start	3661	End	6983
Name	OJ990426_25.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	5704	End	6076
GI	none	Score	134
Exons	5704..5844, 5714..5815, 5810..6076, 5821..6075		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38380	Strand	-
Start	3661	End	6983
Name	OJ990426_25.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	5776	End	6079
GI	none	Score	113
Exons	5776..5850, 5789..5917, 5816..5920, 5842..5919, 5920..6075, 5921..6079		

Seq. No.	18313	Seq. ID	OJ990426_25.9819.C6
Gene No.	38380	Strand	-
Start	3661	End	6983
Name	OJ990426_25.9819.C6.o4.gp	Method	AAT/GAP
Start	6602	End	6747
GI	uC-osroM202019e05b1	Score	227
Exons	6602..6747		
GI Descrip.	'2651300 1.0e-40 (AC002336) putative initiator tRNA phosphoribosyl-transferase [Arabidopsis thaliana]'		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38381	Strand	+
Start	619	End	22273
Name	OJ990426_25.9819.C7.o2.np	Method	AAT/NAP
Start	619	End	22273
GI	119714	Score	163
Exons	619..771, 5510..5543, 8740..8977, 14720..14795, 20535..20644, 21884..22273		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi\|82169\|pir\|\|S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi\|19867\|emb\|CAA32090\| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38381	Strand	+
Start	619	End	22273
Name	OJ990426_25.9819.C7.o2.gp	Method	AAT/GAP
Start	14513	End	19611
GI	44208_1.R1084	Score	934
Exons	14513..14720, 18941..19174, 19534..19611		
GI Descrip.	'1076288/pir\|\|S51168 7.0e-40 amino acid permease AAP3 - Arabidopsis thaliana'		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38381	Strand	+
Start	619	End	22273
Name	OJ990426_25.9819.C7.o3.gs	Method	GENSCAN
Start	14591	End	20977
GI	none	Score	.99
Exons	14591..14720, 18941..19174, 19534..19627, 19752..19969, 20055..20194, 20330..20977		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38381	Strand	+
Start	619	End	22273
Name	OJ990426_25.9819.C7.o3.np	Method	AAT/NAP
Start	14617	End	20971
GI	1769887	Score	1389
Exons	14617..14720, 18941..19174, 19534..19627, 19752..19972, 20055..20194, 20330..20971		
GI Descrip.	(X95736) amino acid permease 6 [Arabidopsis thaliana]		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38381	Strand	+
Start	619	End	22273
Name	OJ990426_25.9819.C7.o3.gp	Method	AAT/GAP
Start	20032	End	20537
GI	LIB3431-014-P1-K1-G12	Score	610
Exons	20032..20194, 20330..20537		
GI Descrip.	'1769887/emb\|CAA65051\| 1.0e-45 (X95736) amino acid permease 6 [Arabidopsis thaliana]'		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38381	Strand	+
Start	619	End	22273
Name	OJ990426_25.9819.C7.o4.gp	Method	AAT/GAP
Start	20644	End	20864
GI	LIB3433-058-P1-K1-H12	Score	438
Exons	20644..20864		
GI Descrip.	'1076289/pir\|\|S51170 2.0e-22 amino acid permease AAP5 - Arabidopsis thaliana >gi_608673_emb_CAA54632_ (X77501) amino acid permease [Arabidopsis thaliana]'		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38382	Strand	-
Start	1	End	809
Name	OJ990426_25.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	749
GI	2651300	Score	269
Exons	1..56, 439..749		

GI Descrip. (AC002336) putative initiator tRNA phosphoribosyl-transferase [Arabidopsis thaliana]

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38382	Strand	-
Start	1	End	809
Name	OJ990426_25.9819.C7.o1.gp	Method	AAT/GAP
Start	441	End	809
GI	uC-osroM202019e05b1	Score	711
Exons	441..809		
GI Descrip.	'2651300 1.0e-40 (AC002336) putative initiator tRNA phosphoribosyl-transferase [Arabidopsis thaliana]'		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38383	Strand	-
Start	9808	End	14027
Name	OJ990426_25.9819.C7.o2.gs	Method	GENSCAN
Start	9808	End	14027
GI	none	Score	.69
Exons	9808..9861, 10310..10428, 10495..10685, 11467..11643, 11709..12028, 13102..13159, 14026..14027		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38384	Strand	-
Start	20932	End	21289
Name	OJ990426_25.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	469	End	708
GI	none	Score	79
Exons	469..708, 476..577, 628..708		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38384	Strand	-
Start	20932	End	21289
Name	OJ990426_25.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	18928	End	20964
GI	none	Score	298
Exons	18928..19176, 18939..19175, 19491..19670, 19753..19977, 19813..19947, 19824..19991, 20054..20194, 20318..20638, 20326..20613, 20660..20953, 20668..20964		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38384	Strand	-
Start	20932	End	21289
Name	OJ990426_25.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	18939	End	20953
GI	none	Score	343
Exons	18939..19175, 18940..19176, 19491..19661, 19753..20007, 19824..19916, 20102..20221, 20116..20199, 20318..20638, 20329..20637, 20642..20953, 20660..20821, 20680..20931		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38384	Strand	-
Start	20932	End	21289
Name	OJ990426_25.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	18939	End	19622
GI	none	Score	337
Exons	18939..19166, 18940..19173, 19491..19622		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38384	Strand	-
Start	20932	End	21289
Name	OJ990426_25.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	19879	End	20934
GI	none	Score	104
Exons	19879..19980, 19887..19964, 20105..20194, 20318..20629, 20326..20625, 20645..20821, 20657..20932, 20692..20934		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38384	Strand	-
Start	20932	End	21289
Name	OJ990426_25.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	20467	End	20848
GI	none	Score	276
Exons	20467..20661, 20468..20659, 20663..20848, 20663..20821		

Seq. No.	18314	Seq. ID	OJ990426_25.9819.C7
Gene No.	38384	Strand	-
Start	20932	End	21289
Name	OJ990426_25.9819.C7.o5.gp	Method	AAT/GAP
Start	20932	End	21289
GI	none	Score	645
Exons	20932..21289		

Seq. No.	18315	Seq. ID	OJ990426_25.9819.C8
Gene No.	38385	Strand	+
Start	130	End	788
Name	OJ990426_25.9819.C8.o1.gs	Method	GENSCAN
Start	130	End	788
GI	none	Score	.96
Exons	130..281, 374..454, 641..788		

Seq. No.	18315	Seq. ID	OJ990426_25.9819.C8
Gene No.	38386	Strand	-
Start	1	End	1777
Name	OJ990426_25.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	1777
GI	5295955	Score	232
Exons	1..218, 341..728, 772..842, 1524..1638, 1712..1777		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	18315	Seq. ID	OJ990426_25.9819.C8
Gene No.	38386	Strand	-
Start	1	End	1777
Name	OJ990426_25.9819.C8.o2.gs	Method	GENSCAN
Start	976	End	1638
GI	none	Score	.48
Exons	976..1117, 1524..1638		

Seq. No.	18316	Seq. ID	OJ990426_25.9819.C10
Gene No.	38387	Strand	+
Start	687	End	1577
Name	OJ990426_25.9819.C10.o1.gs	Method	GENSCAN
Start	687	End	1577

GI	none	Score	.4
Exons	687..1577		

Seq. No.	18316	Seq. ID	OJ990426_25.9819.C10
Gene No.	38387	Strand	+
Start	687	End	1577
Name	OJ990426_25.9819.C10.o1.np	Method	AAT/NAP
Start	708	End	886
GI	3249083	Score	92
Exons	708..886		
GI Descrip.	(AC004473) Contains similarity to heat shock transcription factor homolog gb\|2244754 from A. thaliana chromosome 4 contig gb\|Z97335. [Arabidopsis thaliana]		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38388	Strand	+
Start	10145	End	15262
Name	OJ990426_25.9819.C11.o2.np	Method	AAT/NAP
Start	10145	End	15262
GI	5295955	Score	576
Exons	10145..10164, 12668..12737, 13284..13398, 14079..14151, 14309..15262		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38389	Strand	-
Start	1704	End	8477
Name	OJ990426_25.9819.C11.o1.gs	Method	GENSCAN
Start	1704	End	4161
GI	none	Score	.6
Exons	1704..1770, 2533..3513, 3908..4161		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38389	Strand	-
Start	1704	End	8477
Name	OJ990426_25.9819.C11.o1.np	Method	AAT/NAP
Start	2529	End	8477
GI	3293031	Score	1333
Exons	2529..3513, 3908..4235, 7654..7686, 8390..8477		
GI Descrip.	(AJ007574) amino acid carrier [Ricinus communis]		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38389	Strand	-
Start	1704	End	8477
Name	OJ990426_25.9819.C11.o1.gp	Method	AAT/GAP
Start	2923	End	3335
GI	2310934	Score	741
Exons	2923..3335		
GI Descrip.	3540179 8.0e-30 (AC004122) putative amino acid permease [Arabidopsis thaliana]		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38389	Strand	-
Start	1704	End	8477
Name	OJ990426_25.9819.C11.o2.gp	Method	AAT/GAP
Start	4142	End	7934

GI	94900_1.R1084	Score	669
Exons	4142..4235, 7654..7934		
GI Descrip.	'3540179 7.0e-11 (AC004122) putative amino acid permease [Arabidopsis thaliana]'		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38389	Strand	-
Start	1704	End	8477
Name	OJ990426_25.9819.C11.o2.gs	Method	GENSCAN
Start	5749	End	7762
GI	none	Score	.67
Exons	5749..5909, 7654..7762		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38390	Strand	-
Start	8537	End	16041
Name	OJ990426_25.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	2512	End	4237
GI	none	Score	174
Exons	2512..2832, 2535..2834, 2904..3239, 2905..3243, 3294..3512, 3346..3516, 3931..4236, 3956..4237		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38390	Strand	-
Start	8537	End	16041
Name	OJ990426_25.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	2517	End	4237
GI	none	Score	149
Exons	2517..2834, 2539..2835, 2895..3239, 2899..3234, 3306..3512, 3310..3405, 3931..4236, 3965..4237		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38390	Strand	-
Start	8537	End	16041
Name	OJ990426_25.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	2568	End	3378
GI	none	Score	130
Exons	2568..2834, 2572..2835, 2875..3240, 2877..3236, 3300..3377, 3301..3378		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38390	Strand	-
Start	8537	End	16041
Name	OJ990426_25.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	2655	End	3018
GI	none	Score	165
Exons	2655..2834, 2677..2826, 2875..3018, 2877..3017		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38390	Strand	-
Start	8537	End	16041
Name	OJ990426_25.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	3462	End	4237
GI	none	Score	258
Exons	3462..3512, 3931..4236, 3956..4237		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11

Gene No.	38390	Strand	-
Start	8537	End	16041
Name	OJ990426_25.9819.C11.o3.gs	Method	GENSCAN
Start	8537	End	15976
GI	none	Score	.75
Exons	8537..8653, 9389..9492, 9991..10082, 11465..11592, 11901..12063, 12698..12734, 14198..14271, 14424..14504, 14597..14882, 15696..15829, 15879..15976		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38390	Strand	-
Start	8537	End	16041
Name	OJ990426_25.9819.C11.o3.np	Method	AAT/NAP
Start	15538	End	16041
GI	4680179	Score	668
Exons	15538..16041		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38390	Strand	-
Start	8537	End	16041
Name	OJ990426_25.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	15583	End	16004
GI	none	Score	74
Exons	15583..15921, 15799..15912, 15933..16004		

Seq. No.	18317	Seq. ID	OJ990426_25.9819.C11
Gene No.	38390	Strand	-
Start	8537	End	16041
Name	OJ990426_25.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	15595	End	15867
GI	none	Score	47
Exons	15595..15867, 15603..15668, 15776..15820		

Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	3704
GI	4680179	Score	4908
Exons	1..3704		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	92	End	541
GI	none	Score	174
Exons	92..508, 105..473, 278..541		

Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	110	End	370
GI	none	Score	148

Exons	110..370, 111..365		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	134	End	460
GI	none	Score	87
Exons	134..277, 135..275, 278..460		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	158	End	638
GI	none	Score	288
Exons	158..637, 159..638		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o1.gs	Method	GENSCAN
Start	238	End	4770
GI	none	Score	.61
Exons	238..985, 1067..2000, 2049..2682, 2758..3139, 3273..3449, 3570..3704, 4734..4770		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	641	End	1150
GI	none	Score	266
Exons	641..1150, 731..1150		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	725	End	1078
GI	none	Score	46
Exons	725..1078, 732..770, 740..1027, 766..1029, 810..1076		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	899	End	1141
GI	none	Score	187
Exons	899..1141		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	1115	End	1615
GI	none	Score	157

Exons	1115..1450, 1436..1615		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o4.tw	Method	TBLASTX:Wheat
Start	1151	End	1453
GI	none	Score	176
Exons	1151..1453, 1151..1453		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	1157	End	1561
GI	none	Score	109
Exons	1157..1420, 1166..1525, 1378..1524, 1500..1529, 1517..1561, 1529..1561		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	1502	End	1988
GI	none	Score	303
Exons	1502..1984, 1545..1988		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o4.ts	Method	TBLASTX:Soybean
Start	1634	End	1915
GI	none	Score	73
Exons	1634..1915, 1635..1832		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	1683	End	1975
GI	none	Score	150
Exons	1683..1874, 1685..1975, 1902..1973		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o5.tw	Method	TBLASTX:Wheat
Start	2159	End	2512
GI	none	Score	78
Exons	2159..2512, 2186..2329		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o5.tm	Method	TBLASTX:Maize
Start	2246	End	2566
GI	none	Score	204

Exons	2246..2566		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o6.tm	Method	TBLASTX:Maize
Start	2912	End	3209
GI	none	Score	104
Exons	2912..3208, 3021..3209		
Seq. No.	18318	Seq. ID	OJ990426_25.9819.C12
Gene No.	38391	Strand	-
Start	1	End	4770
Name	OJ990426_25.9819.C12.o6.tw	Method	TBLASTX:Wheat
Start	3086	End	3449
GI	none	Score	82
Exons	3086..3355, 3090..3326, 3345..3449, 3369..3443		
Seq. No.	18319	Seq. ID	OJ990426_25.9819.C13
Gene No.	38392	Strand	+
Start	95	End	789
Name	OJ990426_25.9819.C13.o1.np	Method	AAT/NAP
Start	95	End	789
GI	5902448	Score	281
Exons	95..789		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		
Seq. No.	18319	Seq. ID	OJ990426_25.9819.C13
Gene No.	38393	Strand	-
Start	675	End	693
Name	OJ990426_25.9819.C13.o1.gs	Method	GENSCAN
Start	675	End	693
GI	none	Score	.73
Exons	675..693		
Seq. No.	18320	Seq. ID	OJ990426_23.9819.C1
Gene No.	38394	Strand	+
Start	218	End	468
Name	OJ990426_23.9819.C1.o1.gs	Method	GENSCAN
Start	218	End	468
GI	none	Score	.96
Exons	218..468		
Seq. No.	18320	Seq. ID	OJ990426_23.9819.C1
Gene No.	38395	Strand	+
Start	8471	End	10277
Name	OJ990426_23.9819.C1.o4.gs	Method	GENSCAN
Start	8471	End	10277
GI	none	Score	.47
Exons	8471..8592, 8874..9046, 9934..10277		
Seq. No.	18320	Seq. ID	OJ990426_23.9819.C1
Gene No.	38396	Strand	-
Start	4605	End	11043
Name	OJ990426_23.9819.C1.o1.np	Method	AAT/NAP
Start	4605	End	11043
GI	5915832	Score	691

Exons	4605..5224, 5541..6017, 9888..10252, 10989..11043		
GI Descrip.	CYTOCHROME P450 76C2 gi\|2979549\|gb\|AAC06158.1\| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	18320	Seq. ID	OJ990426_23.9819.C1
Gene No.	38397	Strand	-
Start	11528	End	11733
Name	OJ990426_23.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	4623	End	10205
GI	none	Score	112
Exons	4623..4751, 4736..5023, 4791..5051, 5009..5245, 5013..5213, 9999..10205		

Seq. No.	18320	Seq. ID	OJ990426_23.9819.C1
Gene No.	38397	Strand	-
Start	11528	End	11733
Name	OJ990426_23.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	4629	End	10211
GI	none	Score	103
Exons	4629..4751, 4736..5023, 4791..5024, 5009..5245, 5013..5213, 9999..10211		

Seq. No.	18320	Seq. ID	OJ990426_23.9819.C1
Gene No.	38397	Strand	-
Start	11528	End	11733
Name	OJ990426_23.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	4638	End	10199
GI	none	Score	122
Exons	4638..4691, 4701..4754, 4778..4999, 4779..4997, 5009..5224, 5013..5225, 9942..10199, 10030..10152		

Seq. No.	18320	Seq. ID	OJ990426_23.9819.C1
Gene No.	38397	Strand	-
Start	11528	End	11733
Name	OJ990426_23.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	4922	End	5236
GI	none	Score	171
Exons	4922..4987, 5009..5236		

Seq. No.	18320	Seq. ID	OJ990426_23.9819.C1
Gene No.	38397	Strand	-
Start	11528	End	11733
Name	OJ990426_23.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	9987	End	10292
GI	none	Score	95
Exons	9987..10124, 9987..10292, 10000..10167		

Seq. No.	18320	Seq. ID	OJ990426_23.9819.C1
Gene No.	38397	Strand	-
Start	11528	End	11733
Name	OJ990426_23.9819.C1.o5.gs	Method	GENSCAN
Start	11528	End	11733
GI	none	Score	.53
Exons	11528..11599, 11617..11733		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38398	Strand	+

Start	4690	End	6744
Name	OJ990426_23.9819.C4.o2.gs	Method	GENSCAN
Start	4690	End	6744
GI	none	Score	.48
Exons	4690..4715, 4954..5069, 5272..5599, 6362..6449, 6499..6744		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38399	Strand	-
Start	2257	End	3691
Name	OJ990426_23.9819.C4.o1.np	Method	AAT/NAP
Start	1889	End	3691
GI	5915834	Score	729
Exons	1889..2453, 2821..3691		
GI Descrip.	CYTOCHROME P450 76C4 gi\|2979547\|gb\|AAC06156.1\| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38399	Strand	-
Start	2257	End	3691
Name	OJ990426_23.9819.C4.o1.gs	Method	GENSCAN
Start	2257	End	3673
GI	none	Score	.83
Exons	2257..2442, 2795..3673		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	1910	End	2430
GI	none	Score	78
Exons	1910..2281, 1926..2123, 2284..2349, 2347..2430		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	1913	End	2234
GI	none	Score	110
Exons	1913..2233, 1958..2179, 2046..2234		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	1916	End	2170
GI	none	Score	184
Exons	1916..2170		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	1994	End	3553
GI	none	Score	67
Exons	1994..2287, 2025..2123, 2284..2349, 2413..2454, 2858..2968, 2987..3079, 3101..3286, 3329..3553		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	2858	End	3167
GI	none	Score	81
Exons	2858..3088, 2898..3167		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	3380	End	3553
GI	none	Score	106
Exons	3380..3553, 3393..3551		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o2.np	Method	AAT/NAP
Start	6358	End	13358
GI	5852180	Score	446
Exons	6358..6732, 7655..7742, 13127..13358		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o1.gp	Method	AAT/GAP
Start	6895	End	6973
GI	uC-osroM202024h08a1	Score	81
Exons	6895..6973		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o3.gs	Method	GENSCAN
Start	9788	End	12761
GI	none	Score	.83
Exons	9788..10020, 10871..11001, 11438..11648, 11669..11790, 11838..12088, 12738..12761		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o3.np	Method	AAT/NAP
Start	9789	End	11894
GI	4218120	Score	115
Exons	9789..10020, 11852..11894		
GI Descrip.	(AL035353) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	18321	Seq. ID	OJ990426_23.9819.C4
Gene No.	38400	Strand	-
Start	6358	End	13358
Name	OJ990426_23.9819.C4.o2.tm	Method	TBLASTX:Maize

Start	9797	End	10022
GI	none	Score	171
Exons	9797..10021, 9798..10022		

Seq. No.	18322	Seq. ID	OJ990426_23.9819.C5
Gene No.	38401	Strand	+
Start	515	End	1187
Name	OJ990426_23.9819.C5.o1.gs	Method	GENSCAN
Start	515	End	1136
GI	none	Score	.62
Exons	515..574, 742..1136		

Seq. No.	18322	Seq. ID	OJ990426_23.9819.C5
Gene No.	38401	Strand	+
Start	515	End	1187
Name	OJ990426_23.9819.C5.o1.np	Method	AAT/NAP
Start	515	End	1187
GI	2498930	Score	753
Exons	515..574, 742..1187		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38402	Strand	+
Start	1	End	1817
Name	OJ990426_23.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	1814
GI	4680179	Score	2567
Exons	1..1428, 1472..1814		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38402	Strand	+
Start	1	End	1817
Name	OJ990426_23.9819.C6.o1.gs	Method	GENSCAN
Start	92	End	1817
GI	none	Score	.83
Exons	92..1234, 1280..1423, 1551..1817		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38403	Strand	+
Start	2195	End	5937
Name	OJ990426_23.9819.C6.o2.gs	Method	GENSCAN
Start	2195	End	5937
GI	none	Score	.64
Exons	2195..2309, 2555..2795, 4855..4936, 5173..5937		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38404	Strand	+
Start	6223	End	9142
Name	OJ990426_23.9819.C6.o2.np	Method	AAT/NAP
Start	6173	End	9142
GI	4680179	Score	3324
Exons	6173..9142		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6

Gene No.	38404	Strand	+
Start	6223	End	9142
Name	OJ990426_23.9819.C6.o3.gs	Method	GENSCAN
Start	6223	End	9096
GI	none	Score	.57
Exons	6223..6323, 6437..8373, 8428..9096		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	5	End	9074
GI	none	Score	219
Exons	5..193, 8721..9074, 8726..8989, 8727..9059, 9035..9067		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	5	End	9074
GI	none	Score	253
Exons	5..193, 5..193, 8648..9067, 8649..9074, 8724..9074		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	218	End	760
GI	none	Score	608
Exons	218..709, 224..760, 226..759		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	548	End	808
GI	none	Score	300
Exons	548..808, 550..807		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	606	End	898
GI	none	Score	130
Exons	606..893, 607..894, 608..898		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	767	End	1393
GI	none	Score	727
Exons	767..1393, 769..1392		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-

Start	3334	End	9074
Name	OJ990426_23.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	947	End	1574
GI	none	Score	230
Exons	947..1108, 953..1099, 955..1110, 955..1101, 1105..1407, 1106..1444, 1428..1574		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o5.tw	Method	TBLASTX:Wheat
Start	1412	End	1769
GI	none	Score	382
Exons	1412..1510, 1428..1769, 1431..1553, 1529..1576		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o7.tm	Method	TBLASTX:Maize
Start	1578	End	1824
GI	none	Score	181
Exons	1578..1790, 1783..1824		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o2.gp	Method	AAT/GAP
Start	3334	End	3850
GI	uC-osf1M202048c12b1	Score	833
Exons	3334..3850		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o9.tw	Method	TBLASTX:Wheat
Start	6377	End	6578
GI	none	Score	206
Exons	6377..6577, 6378..6578		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o7.tw	Method	TBLASTX:Wheat
Start	6629	End	6974
GI	none	Score	314
Exons	6629..6760, 6630..6974		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	6630	End	6929
GI	none	Score	239
Exons	6630..6929, 6656..6760, 6848..6913		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o8.tm	Method	TBLASTX:Maize
Start	7275	End	7595
GI	none	Score	187
Exons	7275..7595		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o8.tw	Method	TBLASTX:Wheat
Start	7329	End	7676
GI	none	Score	235
Exons	7329..7676, 7508..7639		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o4.tw	Method	TBLASTX:Wheat
Start	7811	End	8297
GI	none	Score	534
Exons	7811..8104, 7815..8297, 7926..8288		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o4.ts	Method	TBLASTX:Soybean
Start	7851	End	8165
GI	none	Score	196
Exons	7851..8165		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	7880	End	8327
GI	none	Score	373
Exons	7880..8062, 7884..8327, 7956..8318		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	8238	End	8633
GI	none	Score	57
Exons	8238..8270, 8238..8270, 8274..8327, 8275..8418, 8276..8419, 8379..8576, 8388..8633, 8393..8623		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o6.tw	Method	TBLASTX:Wheat
Start	8373	End	8647
GI	none	Score	339
Exons	8373..8615, 8388..8645, 8393..8647		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	8400	End	8719
GI	none	Score	302
Exons	8400..8714, 8435..8719		

Seq. No.	18323	Seq. ID	OJ990426_23.9819.C6
Gene No.	38405	Strand	-
Start	3334	End	9074
Name	OJ990426_23.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	8658	End	8903
GI	none	Score	209
Exons	8658..8903		

Seq. No.	18324	Seq. ID	OJ990426_23.9819.C7
Gene No.	38406	Strand	-
Start	1	End	812
Name	OJ990426_23.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	812
GI	4522005	Score	258
Exons	1..698, 757..812		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	18324	Seq. ID	OJ990426_23.9819.C7
Gene No.	38406	Strand	-
Start	1	End	812
Name	OJ990426_23.9819.C7.o1.gs	Method	GENSCAN
Start	34	End	657
GI	none	Score	.54
Exons	34..282, 444..657		

Seq. No.	18325	Seq. ID	OJ990426_23.9819.C8
Gene No.	38407	Strand	+
Start	211	End	3342
Name	OJ990426_23.9819.C8.o1.gs	Method	GENSCAN
Start	211	End	3342
GI	none	Score	.7
Exons	211..375, 489..644, 705..848, 930..1051, 1383..1583, 2429..2571, 2617..2693, 2848..3342		

Seq. No.	18325	Seq. ID	OJ990426_23.9819.C8
Gene No.	38408	Strand	+
Start	5440	End	9436
Name	OJ990426_23.9819.C8.o1.gp	Method	AAT/GAP
Start	5262	End	5643
GI	uC-osflcyp033a04b1	Score	643
Exons	5262..5643		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18325	Seq. ID	OJ990426_23.9819.C8
Gene No.	38408	Strand	+
Start	5440	End	9436
Name	OJ990426_23.9819.C8.o3.gs	Method	GENSCAN

Start	5440	End	9436
GI	none	Score	67
Exons	5440..5515, 6476..6557, 6589..6797, 7320..7345, 7425..7655, 9407..9436		

Seq. No.	18325	Seq. ID	OJ990426_23.9819.C8
Gene No.	38409	Strand	-
Start	2369	End	7712
Name	OJ990426_23.9819.C8.o1.np	Method	AAT/NAP
Start	2369	End	7712
GI	4206306	Score	1145
Exons	2369..3297, 6357..6884, 7478..7712		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	18325	Seq. ID	OJ990426_23.9819.C8
Gene No.	38409	Strand	-
Start	2369	End	7712
Name	OJ990426_23.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	2677	End	2919
GI	none	Score	37
Exons	2677..2919, 2678..2737, 2816..2914		

Seq. No.	18325	Seq. ID	OJ990426_23.9819.C8
Gene No.	38409	Strand	-
Start	2369	End	7712
Name	OJ990426_23.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	2848	End	3228
GI	none	Score	57
Exons	2848..3042, 3034..3201, 3034..3228		

Seq. No.	18325	Seq. ID	OJ990426_23.9819.C8
Gene No.	38409	Strand	-
Start	2369	End	7712
Name	OJ990426_23.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	2935	End	3285
GI	none	Score	50
Exons	2935..3159, 2951..3160, 3166..3285, 3167..3280		

Seq. No.	18325	Seq. ID	OJ990426_23.9819.C8
Gene No.	38409	Strand	-
Start	2369	End	7712
Name	OJ990426_23.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	2950	End	3297
GI	none	Score	195
Exons	2950..3297, 2951..3202		

Seq. No.	18325	Seq. ID	OJ990426_23.9819.C8
Gene No.	38409	Strand	-
Start	2369	End	7712
Name	OJ990426_23.9819.C8.o2.gs	Method	GENSCAN
Start	3431	End	4368
GI	none	Score	.45
Exons	3431..3438, 3987..4368		

Seq. No.	18326	Seq. ID	OJ990426_23.9819.C9
Gene No.	38410	Strand	-
Start	2044	End	3292

Name	OJ990426_23.9819.C9.o1.np	Method	AAT/NAP
Start	2044	End	3292
GI	4416302	Score	706
Exons	2044..3292		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	18326	Seq. ID	OJ990426_23.9819.C9
Gene No.	38410	Strand	-
Start	2044	End	3292
Name	OJ990426_23.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	2048	End	2701
GI	none	Score	216
Exons	2048..2218, 2213..2572, 2214..2543, 2634..2696, 2636..2701		

Seq. No.	18326	Seq. ID	OJ990426_23.9819.C9
Gene No.	38410	Strand	-
Start	2044	End	3292
Name	OJ990426_23.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	2051	End	2509
GI	none	Score	63
Exons	2051..2203, 2061..2204, 2219..2509		

Seq. No.	18326	Seq. ID	OJ990426_23.9819.C9
Gene No.	38410	Strand	-
Start	2044	End	3292
Name	OJ990426_23.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	2072	End	2527
GI	none	Score	102
Exons	2072..2194, 2216..2527, 2223..2510		

Seq. No.	18326	Seq. ID	OJ990426_23.9819.C9
Gene No.	38410	Strand	-
Start	2044	End	3292
Name	OJ990426_23.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	2372	End	2923
GI	none	Score	92
Exons	2372..2686, 2379..2543, 2696..2923		

Seq. No.	18327	Seq. ID	OJ990316_14.9819.C1
Gene No.	38411	Strand	-
Start	1	End	742
Name	OJ990316_14.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	742
GI	2498930	Score	1190
Exons	1..742		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18327	Seq. ID	OJ990316_14.9819.C1
Gene No.	38411	Strand	-
Start	1	End	742
Name	OJ990316_14.9819.C1.o1.gs	Method	GENSCAN
Start	60	End	701
GI	none	Score	.94
Exons	60..701		

Seq. No.	18328	Seq. ID	OJ990316_14.9819.C2

Gene No.	38412	Strand	-
Start	1	End	225
Name	OJ990316_14.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	225
GI	2498930	Score	58
Exons	1..41, 149..225		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18328	Seq. ID	OJ990316_14.9819.C2
Gene No.	38413	Strand	-
Start	149	End	208
Name	OJ990316_14.9819.C2.o1.gs	Method	GENSCAN
Start	149	End	208
GI	none	Score	.94
Exons	149..208		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38414	Strand	+
Start	1787	End	5372
Name	OJ990316_14.9819.C3.o1.np	Method	AAT/NAP
Start	1787	End	4904
GI	5902445	Score	2958
Exons	1787..3578, 3618..4904		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38414	Strand	+
Start	1787	End	5372
Name	OJ990316_14.9819.C3.o2.gs	Method	GENSCAN
Start	4164	End	5372
GI	none	Score	.86
Exons	4164..4463, 4541..4845, 5066..5200, 5243..5372		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38415	Strand	+
Start	10369	End	13850
Name	OJ990316_14.9819.C3.o5.gs	Method	GENSCAN
Start	10369	End	13850
GI	none	Score	.53
Exons	10369..11215, 11232..11559, 12442..12599, 13696..13850		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38416	Strand	+
Start	17257	End	17993
Name	OJ990316_14.9819.C3.o1.gp	Method	AAT/GAP
Start	17257	End	17993
GI	101153_1.R1084	Score	374
Exons	17257..17296, 17744..17993,		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38417	Strand	+
Start	18009	End	18422
Name	OJ990316_14.9819.C3.o2.gp	Method	AAT/GAP
Start	18009	End	18422

GI	2428185	Score	681
Exons	18009..18422		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38418	Strand	+
Start	18947	End	19206
Name	OJ990316_14.9819.C3.o3.gp	Method	AAT/GAP
Start	18947	End	19206
GI	61605_3.R1084	Score	423
Exons	18947..19206		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38419	Strand	+
Start	24302	End	47194
Name	OJ990316_14.9819.C3.o8.gs	Method	GENSCAN
Start	24302	End	47194
GI	none	Score	.7
Exons	24302..25111, 26915..27170, 27676..28566, 28952..29159, 29182..29206, 29301..29524, 36089..36168, 36809..36926, 37903..38030, 39029..39264, 44176..44267, 45372..45489, 46421..46618, 46982..47194		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38419	Strand	+
Start	24302	End	47194
Name	OJ990316_14.9819.C3.o5.np	Method	AAT/NAP
Start	24396	End	28511
GI	3510249	Score	1429
Exons	24396..25111, 26915..27163, 27672..28511		
GI Descrip.	(AC005310) unknown protein [Arabidopsis thaliana]		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38420	Strand	-
Start	5673	End	8363
Name	OJ990316_14.9819.C3.o3.gs	Method	GENSCAN
Start	5673	End	7704
GI	none	Score	.88
Exons	5673..6045, 6130..6188, 6258..6452, 6518..6642, 6722..7007, 7088..7184, 7342..7483, 7596..7704		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38420	Strand	-
Start	5673	End	8363
Name	OJ990316_14.9819.C3.o2.np	Method	AAT/NAP
Start	6312	End	7441
GI	6721558	Score	256
Exons	6312..6642, 7342..7441		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38420	Strand	-

Start	5673	End	8363
Name	OJ990316_14.9819.C3.o3.np	Method	AAT/NAP
Start	6650	End	8363
GI	6721512	Score	73
Exons	6650..6713, 8107..8242, 8271..8363		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38421	Strand	-
Start	15015	End	19798
Name	OJ990316_14.9819.C3.o6.gs	Method	GENSCAN
Start	15015	End	19798
GI	none	Score	.76
Exons	15015..15185, 16511..16602, 16853..17010, 17039..17389, 18188..18257, 18313..18437, 19650..19798		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38421	Strand	-
Start	15015	End	19798
Name	OJ990316_14.9819.C3.o4.np	Method	AAT/NAP
Start	15396	End	18333
GI	5852179	Score	422
Exons	15396..15412, 16837..17061, 17135..17343, 18313..18333		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38422	Strand	-
Start	21531	End	21644
Name	OJ990316_14.9819.C3.o7.gs	Method	GENSCAN
Start	21531	End	21644
GI	none	Score	.93
Exons	21531..21644		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38423	Strand	-
Start	65526	End	65908
Name	OJ990316_14.9819.C3.o11.gs	Method	GENSCAN
Start	65526	End	65908
GI	none	Score	.91
Exons	65526..65594, 65720..65908		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o6.tw	Method	TBLASTX:Wheat
Start	1094	End	1549
GI	none	Score	144
Exons	1094..1276, 1102..1275, 1313..1549, 1315..1500, 1325..1528		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	1732	End	2186
GI	none	Score	339
Exons	1732..2049, 1742..2050, 1760..2050, 2029..2172, 2052..2186, 2053..2175		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	1862	End	2217
GI	none	Score	229
Exons	1862..2056, 1903..2049, 1908..2057, 1916..2056, 1975..2067, 2056..2217		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o4.tm	Method	TBLASTX:Maize
Start	2245	End	2628
GI	none	Score	299
Exons	2245..2628, 2406..2627		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	2302	End	2726
GI	none	Score	441
Exons	2302..2724, 2307..2726		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o3.ts	Method	TBLASTX:Soybean
Start	2356	End	2781
GI	none	Score	301
Exons	2356..2781, 2406..2540		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o7.tw	Method	TBLASTX:Wheat
Start	2871	End	3278
GI	none	Score	211
Exons	2871..3092, 2872..3096, 2911..3099, 3124..3207, 3216..3278		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	3780	End	4085
GI	none	Score	355
Exons	3780..4085, 3866..4084		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o5.tw	Method	TBLASTX:Wheat
Start	3780	End	4166
GI	none	Score	355
Exons	3780..4166, 3788..4084, 4118..4162		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o4.tw	Method	TBLASTX:Wheat
Start	4287	End	4895
GI	none	Score	313
Exons	4287..4739, 4301..4390, 4436..4543, 4764..4895		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	24544	End	25113
GI	none	Score	160
Exons	24544..24615, 24545..24739, 24733..24894, 24734..25027, 24940..25005, 25076..25108, 25081..25113		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	24545	End	25002
GI	none	Score	167
Exons	24545..24739, 24733..24894, 24734..24997, 24940..25002		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o5.ts	Method	TBLASTX:Soybean
Start	26903	End	27142
GI	none	Score	228
Exons	26903..27142, 26911..27138		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o4.ts	Method	TBLASTX:Soybean
Start	27777	End	28124
GI	none	Score	89
Exons	27777..27866, 27885..27980, 27984..28124		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	27944	End	28316
GI	none	Score	185
Exons	27944..28111, 27945..28109, 28113..28316, 28163..28315		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o3.tw	Method	TBLASTX:Wheat
Start	27987	End	28337
GI	none	Score	391
Exons	27987..28337, 27995..28120, 28163..28336		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o2.tc	Method	TBLASTX:Cress
Start	28175	End	28499
GI	none	Score	219
Exons	28175..28363, 28176..28364, 28374..28499, 28376..28495		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	28181	End	28496
GI	none	Score	204
Exons	28181..28357, 28182..28358, 28377..28496		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o5.tm	Method	TBLASTX:Maize
Start	28317	End	28508
GI	none	Score	72
Exons	28317..28367, 28317..28358, 28367..28492, 28368..28508		

Seq. No.	18329	Seq. ID	OJ990316_14.9819.C3
Gene No.	38424	Strand	-
Start	68327	End	68958
Name	OJ990316_14.9819.C3.o12.gs	Method	GENSCAN
Start	68327	End	68958
GI	none	Score	.48
Exons	68327..68484, 68513..68600, 68839..68958		

Seq. No.	18330	Seq. ID	OJ990316_14.9819.C4
Gene No.	38425	Strand	+
Start	1	End	10191
Name	OJ990316_14.9819.C4.o2.np	Method	AAT/NAP
Start	1	End	10191
GI	5852180	Score	630
Exons	1..426, 2925..2972, 3970..4087, 4139..4549, 5255..5292, 10171..10191		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	18330	Seq. ID	OJ990316_14.9819.C4
Gene No.	38425	Strand	+
Start	1	End	10191
Name	OJ990316_14.9819.C4.o1.np	Method	AAT/NAP
Start	302	End	2015
GI	6721562	Score	456
Exons	302..453, 707..941, 1138..2015		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi\|6815087\|dbj\|BAA90373.1\| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	18330	Seq. ID	OJ990316_14.9819.C4

Gene No.	38425	Strand	+
Start	1	End	10191
Name	OJ990316_14.9819.C4.o1.gs	Method	GENSCAN
Start	495	End	2207
GI	none	Score	.55
Exons	495..1308, 1705..2207		

Seq. No.	18330	Seq. ID	OJ990316_14.9819.C4
Gene No.	38426	Strand	-
Start	2821	End	3205
Name	OJ990316_14.9819.C4.o1.gp	Method	AAT/GAP
Start	2821	End	3205
GI	uC-osf1cyp033a04b1	Score	600
Exons	2821..3205		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18330	Seq. ID	OJ990316_14.9819.C4
Gene No.	38427	Strand	-
Start	3624	End	9416
Name	OJ990316_14.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	1422	End	1820
GI	none	Score	59
Exons	1422..1472, 1473..1586, 1496..1534, 1545..1820, 1592..1819		

Seq. No.	18330	Seq. ID	OJ990316_14.9819.C4
Gene No.	38427	Strand	-
Start	3624	End	9416
Name	OJ990316_14.9819.C4.o2.gs	Method	GENSCAN
Start	3624	End	9416
GI	none	Score	.54
Exons	3624..3731, 3992..4114, 4294..4521, 5423..5568, 6080..6250, 7148..7436, 7603..8991, 9285..9416		

Seq. No.	18330	Seq. ID	OJ990316_14.9819.C4
Gene No.	38427	Strand	-
Start	3624	End	9416
Name	OJ990316_14.9819.C4.o3.gp	Method	AAT/GAP
Start	3633	End	4558
GI	2428924	Score	600
Exons	3633..3731, 4294..4558		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	18330	Seq. ID	OJ990316_14.9819.C4
Gene No.	38427	Strand	-
Start	3624	End	9416
Name	OJ990316_14.9819.C4.o3.np	Method	AAT/NAP
Start	7682	End	9305
GI	729704	Score	83
Exons	7682..7751, 8007..8089, 8332..8388, 8611..8706, 9273..9305		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi\|1078700\|pir\|\|A47156 hexamer-binding protein HEXBP - Leishmania major gi\|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	18331	Seq. ID	OJ990316_16.9819.C2

Gene No.	38428	Strand	+
Start	512	End	829
Name	OJ990316_16.9819.C2.o1.np	Method	AAT/NAP
Start	512	End	829
GI	2498930	Score	173
Exons	512..575, 743..829		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18331	Seq. ID	OJ990316_16.9819.C2
Gene No.	38428	Strand	+
Start	512	End	829
Name	OJ990316_16.9819.C2.o1.gs	Method	GENSCAN
Start	516	End	787
GI	none	Score	.81
Exons	516..575, 743..787		

Seq. No.	18332	Seq. ID	OJ990316_16.9819.C3
Gene No.	38429	Strand	+
Start	1	End	765
Name	OJ990316_16.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	765
GI	2498930	Score	1224
Exons	1..765		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18332	Seq. ID	OJ990316_16.9819.C3
Gene No.	38429	Strand	+
Start	1	End	765
Name	OJ990316_16.9819.C3.o1.gs	Method	GENSCAN
Start	54	End	758
GI	none	Score	.99
Exons	54..758		

Seq. No.	18333	Seq. ID	OJ990316_16.9819.C5
Gene No.	38430	Strand	-
Start	1	End	817
Name	OJ990316_16.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	817
GI	6063554	Score	384
Exons	1..235, 353..639, 778..817		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18333	Seq. ID	OJ990316_16.9819.C5
Gene No.	38430	Strand	-
Start	1	End	817
Name	OJ990316_16.9819.C5.o1.gs	Method	GENSCAN
Start	32	End	254
GI	none	Score	.64
Exons	32..254		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38431	Strand	+
Start	777	End	12172

Name	OJ990316_16.9819.C7.o1.gs	Method	GENSCAN
Start	777	End	12172
GI	none	Score	.51
Exons	777..1237, 2499..2533, 2712..2834, 3536..3771, 3892..4189, 4235..4367, 4412..4590, 4969..5136, 5226..5366, 5958..6089, 6139..6224, 6550..6848, 6854..7053, 7417..7543, 7954..8177, 8255..8350, 9735..10141, 10388..10535, 10587..10787, 10962..11378, 11707..11902, 11968..12172		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38431	Strand	+
Start	777	End	12172
Name	OJ990316_16.9819.C7.o3.np	Method	AAT/NAP
Start	7555	End	11824
GI	6815052	Score	1690
Exons	7555..7708, 7790..7865, 8134..8250, 8550..8649, 9516..9608, 10397..10540, 10589..11282, 11364..11438, 11707..11824		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38432	Strand	+
Start	16995	End	17922
Name	OJ990316_16.9819.C7.o3.gs	Method	GENSCAN
Start	16995	End	17922
GI	none	Score	.89
Exons	16995..17016, 17678..17922		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38433	Strand	+
Start	23742	End	24157
Name	OJ990316_16.9819.C7.o2.gp	Method	AAT/GAP
Start	23742	End	24157
GI	none	Score	582
Exons	23742..23834, 23928..24157		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38434	Strand	+
Start	24931	End	25185
Name	OJ990316_16.9819.C7.o3.gp	Method	AAT/GAP
Start	24931	End	25185
GI	61605_3.R1084	Score	432
Exons	24931..25185		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38435	Strand	+
Start	25495	End	27668
Name	OJ990316_16.9819.C7.o7.np	Method	AAT/NAP
Start	25495	End	27668
GI	4680186	Score	240
Exons	25495..25642, 27351..27405, 27468..27668		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38435	Strand	+
Start	25495	End	27668

Name	OJ990316_16.9819.C7.o4.gp	Method	AAT/GAP
Start	25641	End	26016
GI	uC-osflM202048c12b1	Score	529
Exons	25641..26016		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38436	Strand	-
Start	12434	End	16147
Name	OJ990316_16.9819.C7.o2.gs	Method	GENSCAN
Start	12434	End	16147
GI	none	Score	.69
Exons	12434..12745, 13029..13216, 13543..13647, 14219..14346, 14371..14631, 14715..14989, 15063..15158, 15818..16147		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38436	Strand	-
Start	12434	End	16147
Name	OJ990316_16.9819.C7.o4.np	Method	AAT/NAP
Start	13283	End	15947
GI	6691716	Score	1887
Exons	13283..13463, 13543..13657, 13806..13907, 13977..14164, 14219..14380, 14523..14631, 14715..14878, 15063..15947		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38437	Strand	-
Start	25548	End	27687
Name	OJ990316_16.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	9833	End	10327
GI	none	Score	80
Exons	9833..10012, 9854..10012, 10036..10317, 10037..10327		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38437	Strand	-
Start	25548	End	27687
Name	OJ990316_16.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	9851	End	10225
GI	none	Score	102
Exons	9851..10036, 10031..10225		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38437	Strand	-
Start	25548	End	27687
Name	OJ990316_16.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	12570	End	13014
GI	none	Score	165
Exons	12570..12821, 12581..12826, 12581..12820, 12592..12825, 12813..12863, 12814..12927, 12815..12859, 12871..13014, 12886..13014		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38437	Strand	-
Start	25548	End	27687

Name	OJ990316_16.9819.C7.o5.gs	Method	GENSCAN
Start	25548	End	27107
GI	none	Score	.79
Exons	25548..25672, 25691..25790, 26275..26490, 26526..27107		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38437	Strand	-
Start	25548	End	27687
Name	OJ990316_16.9819.C7.o5.np	Method	AAT/NAP
Start	25551	End	27687
GI	6063554	Score	220
Exons	25551..25725, 26945..27020, 27603..27687		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18334	Seq. ID	OJ990316_16.9819.C7
Gene No.	38437	Strand	-
Start	25548	End	27687
Name	OJ990316_16.9819.C7.o5.gp	Method	AAT/GAP
Start	27511	End	27601
GI	uC-osflcyp033a04b1	Score	142
Exons	27511..27601		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38438	Strand	+
Start	1	End	21269
Name	OJ990316_16.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	21269
GI	6498436	Score	331
Exons	1..25, 7813..8140, 21163..21269		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38438	Strand	+
Start	1	End	21269
Name	OJ990316_16.9819.C8.o1.gs	Method	GENSCAN
Start	123	End	3147
GI	none	Score	.54
Exons	123..189, 2466..2591, 3059..3147		

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38438	Strand	+
Start	1	End	21269
Name	OJ990316_16.9819.C8.o2.gs	Method	GENSCAN
Start	3589	End	5043
GI	none	Score	.65
Exons	3589..3749, 3826..3932, 3962..4062, 4178..4291, 4975..5043		

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38438	Strand	+
Start	1	End	21269
Name	OJ990316_16.9819.C8.o1.gp	Method	AAT/GAP
Start	5658	End	6001
GI	18145_1.R1084	Score	458

Exons	5658..6001
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38438	Strand	+
Start	1	End	21269
Name	OJ990316_16.9819.C8.o5.gs	Method	GENSCAN
Start	14388	End	21139
GI	none	Score	.56
Exons	14388..14450, 17113..17193, 17256..17282, 18476..18645, 18777..18879, 19240..19421, 19480..19625, 21033..21139		

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38439	Strand	-
Start	5735	End	7485
Name	OJ990316_16.9819.C8.o3.gs	Method	GENSCAN
Start	5735	End	7485
GI	none	Score	.42
Exons	5735..6495, 7416..7485		

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38439	Strand	-
Start	5735	End	7485
Name	OJ990316_16.9819.C8.o2.gp	Method	AAT/GAP
Start	6210	End	6599
GI	2310935	Score	739
Exons	6210..6599		

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38440	Strand	-
Start	9158	End	13068
Name	OJ990316_16.9819.C8.o4.gs	Method	GENSCAN
Start	9158	End	13068
GI	none	Score	.61
Exons	9158..9427, 9906..10073, 10321..10445, 10481..10579, 10615..10748, 10825..10924, 11011..11205, 11242..11439, 11518..11811, 12244..12275, 12998..13068		

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38441	Strand	-
Start	20245	End	21696
Name	OJ990316_16.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	5903	End	6369
GI	none	Score	464
Exons	5903..6244, 5903..6214, 5941..6243, 6119..6304, 6151..6291, 6152..6268, 6155..6292, 6163..6369, 6164..6343, 6175..6306, 6200..6337		

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38441	Strand	-
Start	20245	End	21696
Name	OJ990316_16.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	5945	End	6361
GI	none	Score	84
Exons	5945..6100, 5951..6073, 6107..6289, 6131..6361, 6142..6336,		

6190..6345

Seq. No.	18335	Seq. ID	OJ990316_16.9819.C8
Gene No.	38441	Strand	-
Start	20245	End	21696
Name	OJ990316_16.9819.C8.o2.np	Method	AAT/NAP
Start	20245	End	21696
GI	5852181	Score	65
Exons	20245..20280, 21517..21696		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	18336	Seq. ID	OJ990316_16.9819.C9
Gene No.	38442	Strand	+
Start	680	End	880
Name	OJ990316_16.9819.C9.o1.np	Method	AAT/NAP
Start	680	End	880
GI	4680186	Score	319
Exons	680..880		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18336	Seq. ID	OJ990316_16.9819.C9
Gene No.	38443	Strand	-
Start	432	End	813
Name	OJ990316_16.9819.C9.o1.gp	Method	AAT/GAP
Start	432	End	813
GI	uC-osf1cyp033a04b1	Score	663
Exons	432..813		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18336	Seq. ID	OJ990316_16.9819.C9
Gene No.	38444	Strand	-
Start	1242	End	1820
Name	OJ990316_16.9819.C9.o2.gs	Method	GENSCAN
Start	1242	End	1820
GI	none	Score	.86
Exons	1242..1327, 1622..1820		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38445	Strand	+
Start	7790	End	8148
Name	OJ990316_16.9819.C10.o1.gp	Method	AAT/GAP
Start	7790	End	8148
GI	uC-osf1cyp033a04b1	Score	604
Exons	7790..8148		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38446	Strand	+
Start	12079	End	12872
Name	OJ990316_16.9819.C10.o8.np	Method	AAT/NAP
Start	12079	End	12872
GI	4680183	Score	173
Exons	12079..12178, 12783..12872		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38446	Strand	+
Start	12079	End	12872
Name	OJ990316_16.9819.C10.o5.np	Method	AAT/NAP
Start	12108	End	12872
GI	4680183	Score	173
Exons	12108..12178, 12783..12872		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38447	Strand	-
Start	685	End	14849
Name	OJ990316_16.9819.C10.o1.gs	Method	GENSCAN
Start	685	End	14849
GI	none	Score	.44
Exons	685..3390, 3454..5199, 5370..5394, 6455..6738, 7468..7515, 9685..9737, 9754..9813, 12660..12778, 13862..13978, 14021..14111, 14204..14327, 14739..14849		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38447	Strand	-
Start	685	End	14849
Name	OJ990316_16.9819.C10.o1.np	Method	AAT/NAP
Start	688	End	5202
GI	4680179	Score	5334
Exons	688..4089, 4123..5202		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38447	Strand	-
Start	685	End	14849
Name	OJ990316_16.9819.C10.o3.np	Method	AAT/NAP
Start	1442	End	11585
GI	5852180	Score	459
Exons	1442..1467, 6455..6899, 6951..7070, 7998..8061, 11540..11585		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38447	Strand	-
Start	685	End	14849
Name	OJ990316_16.9819.C10.o2.np	Method	AAT/NAP
Start	3151	End	6708
GI	4539658	Score	110
Exons	3151..3197, 5559..5912, 6034..6075, 6443..6708		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38447	Strand	-
Start	685	End	14849
Name	OJ990316_16.9819.C10.o4.np	Method	AAT/NAP
Start	8791	End	13304
GI	5042463	Score	231
Exons	8791..8811, 10555..10634, 10680..10840, 11492..11670, 13250..13304		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o7.tm	Method	TBLASTX:Maize
Start	679	End	15401
GI	none	Score	40
Exons	679..711, 680..736, 712..909, 803..898, 15216..15401		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o6.tw	Method	TBLASTX:Wheat
Start	754	End	15558
GI	none	Score	108
Exons	754..1062, 784..1065, 797..1066, 15225..15557, 15246..15386, 15349..15558		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	913	End	16004
GI	none	Score	199
Exons	913..1353, 929..1351, 1351..1512, 1358..1504, 15405..15845, 15418..15843, 15843..16004, 15850..15996		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	1066	End	16184
GI	none	Score	99
Exons	1066..1692, 1069..1320, 1178..1636, 15558..16184, 15559..16182		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o4.tm	Method	TBLASTX:Maize
Start	1561	End	16344
GI	none	Score	211
Exons	1561..1851, 1565..1852, 16053..16343, 16057..16344		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	1651	End	16403
GI	none	Score	150
Exons	1651..1911, 1652..1906, 16143..16403, 16144..16398		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	1675	End	16484
GI	none	Score	81
Exons	1675..1818, 1676..1816, 1819..1992, 16167..16310, 16168..16308,		

16311..16484

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	1699	End	16616
GI	none	Score	234
Exons	1699..2235, 1703..1957, 1705..2163, 2012..2266, 16191..16616, 16192..16446, 16224..16616		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	2257	End	17089
GI	none	Score	170
Exons	2257..2619, 2266..2619, 2270..2620, 16724..17035, 16736..17089, 16821..17087		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o3.tw	Method	TBLASTX:Wheat
Start	2269	End	17161
GI	none	Score	352
Exons	2269..2691, 2270..2659, 16650..16775, 16652..17161, 16736..17119, 16818..17129		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o3.ts	Method	TBLASTX:Soybean
Start	2440	End	17155
GI	none	Score	74
Exons	2440..2685, 2540..2668, 16910..17155		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o3.tm	Method	TBLASTX:Maize
Start	2656	End	17626
GI	none	Score	72
Exons	2656..2970, 2977..3156, 3029..3148, 17126..17446, 17165..17434, 17447..17626		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o5.tw	Method	TBLASTX:Wheat
Start	2692	End	17464
GI	none	Score	270
Exons	2692..2994, 2708..2992, 2922..2993, 17162..17464, 17163..17462, 17171..17464		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-

Start	15177	End	23270
Name	OJ990316_16.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	2706	End	17572
GI	none	Score	195
Exons	2706..2975, 2707..3066, 2708..2998, 3029..3064, 3070..3102, 3071..3100, 17177..17536, 17178..17228, 17271..17540, 17528..17572, 17540..17572		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o4.tw	Method	TBLASTX:Wheat
Start	3043	End	17995
GI	none	Score	283
Exons	3043..3420, 3086..3529, 3140..3451, 3475..3525, 17513..17995, 17522..17884, 17556..17891		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o5.tm	Method	TBLASTX:Maize
Start	3224	End	17983
GI	none	Score	220
Exons	3224..3514, 3226..3417, 3472..3513, 17694..17885, 17696..17983		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o8.tw	Method	TBLASTX:Wheat
Start	3695	End	18574
GI	none	Score	68
Exons	3695..3808, 3700..3807, 3853..4062, 3854..4006, 18152..18343, 18159..18314, 18225..18365, 18365..18574, 18426..18524		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o8.tm	Method	TBLASTX:Maize
Start	3745	End	18577
GI	none	Score	64
Exons	3745..4068, 18257..18577, 18432..18524		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o6.tm	Method	TBLASTX:Maize
Start	4423	End	19213
GI	none	Score	87
Exons	4423..4728, 4598..4714, 18881..19213, 18929..19213		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o7.tw	Method	TBLASTX:Wheat
Start	4609	End	19453
GI	none	Score	124
Exons	4609..4968, 4610..4939, 19094..19453, 19095..19328, 19353..19427		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o2.gs	Method	GENSCAN
Start	15177	End	23270
GI	none	Score	.64
Exons	15177..16638, 16647..17222, 17286..19720, 20116..20235, 20279..20872, 23160..23270		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o6.np	Method	AAT/NAP
Start	15180	End	19720
GI	4680179	Score	7678
Exons	15180..19720		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18337	Seq. ID	OJ990316_16.9819.C10
Gene No.	38448	Strand	-
Start	15177	End	23270
Name	OJ990316_16.9819.C10.o7.np	Method	AAT/NAP
Start	19973	End	20806
GI	5042448	Score	1193
Exons	19973..20806		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38449	Strand	+
Start	1	End	1864
Name	OJ990316_16.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	1864
GI	140298	Score	774
Exons	1..22, 441..972, 1730..1864		
GI Descrip.	CYTOCHROME C BIOGENESIS PROTEIN CCSA gi\|82524\|pir\|\|JQ0288 hypothetical 36.7K protein (trnL-trnN intergenic region) - rice chloroplast gi\|12049\|emb\|CAA33952\| (X15901) ORF321 [Oryza sativa] gi\|226669\|prf\|\|1603356CW ORF 321 [Oryza sativa]		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38449	Strand	+
Start	1	End	1864
Name	OJ990316_16.9819.C11.o1.gs	Method	GENSCAN
Start	1188	End	1678
GI	none	Score	.65
Exons	1188..1331, 1475..1678		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38450	Strand	+
Start	1863	End	8658
Name	OJ990316_16.9819.C11.o2.np	Method	AAT/NAP
Start	1863	End	7414
GI	4582447	Score	1402
Exons	1863..1920, 4209..7414		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase		

[Arabidopsis thaliana]

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38450	Strand	+
Start	1863	End	8658
Name	OJ990316_16.9819.C11.o2.gs	Method	GENSCAN
Start	3553	End	8658
GI	none	Score	.58
Exons	3553..4080, 4412..7399, 7815..7842, 7927..8146, 8224..8334, 8613..8658		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38450	Strand	+
Start	1863	End	8658
Name	OJ990316_16.9819.C11.o3.np	Method	AAT/NAP
Start	4490	End	8471
GI	6587849	Score	1112
Exons	4490..5192, 5313..6696, 8441..8471		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38451	Strand	+
Start	10360	End	14624
Name	OJ990316_16.9819.C11.o4.np	Method	AAT/NAP
Start	10360	End	14624
GI	6815052	Score	1729
Exons	10360..10505, 10587..10669, 10951..11071, 11370..11470, 12320..12412, 13194..13329, 13378..14078, 14160..14234, 14505..14624		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38452	Strand	+
Start	18807	End	18995
Name	OJ990316_16.9819.C11.o4.gs	Method	GENSCAN
Start	18807	End	18995
GI	none	Score	.89
Exons	18807..18995		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38453	Strand	+
Start	19802	End	25787
Name	OJ990316_16.9819.C11.o5.np	Method	AAT/NAP
Start	19802	End	23334
GI	131271	Score	280
Exons	19802..19824, 21759..21958, 23305..23334		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi\|72705\|pir\|\|QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast gi\|12013\|emb\|CAA33973\| (X15901) PSII 47kDa protein [Oryza sativa] gi\|226634\|prf\|\|1603356BH photosystem II 47kD protein [Oryza sativa]		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38453	Strand	+
Start	19802	End	25787
Name	OJ990316_16.9819.C11.o6.np	Method	AAT/NAP

Start	21981	End	24066
GI	128620	Score	715
Exons	21981..22446, 23985..24066		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi\|66139\|pir\|\|DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi\|669087\|emb\|CAA33910\| (X15901) NADH dehydrogenase ND1 [Oryza sativa] gi\|226676\|prf\|\|1603356DD NADH dehydrogenase ND1 [Oryza sativa]		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38453	Strand	+
Start	19802	End	25787
Name	OJ990316_16.9819.C11.o7.np	Method	AAT/NAP
Start	22459	End	24964
GI	226691	Score	1613
Exons	22459..23510, 24941..24964		
GI Descrip.	RNA polymerase beta'-2 [Oryza sativa]		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38453	Strand	+
Start	19802	End	25787
Name	OJ990316_16.9819.C11.o8.np	Method	AAT/NAP
Start	23206	End	24997
GI	6721561	Score	953
Exons	23206..23278, 23842..24025, 24096..24154, 24235..24997		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38453	Strand	+
Start	19802	End	25787
Name	OJ990316_16.9819.C11.o6.gs	Method	GENSCAN
Start	23688	End	25787
GI	none	Score	.66
Exons	23688..23771, 23840..24025, 24050..24154, 24251..24660, 24679..24996, 25135..25280, 25412..25618, 25654..25787		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38454	Strand	+
Start	26980	End	27318
Name	OJ990316_16.9819.C11.o7.gs	Method	GENSCAN
Start	26980	End	27318
GI	none	Score	.84
Exons	26980..27318		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38455	Strand	-
Start	21754	End	21859
Name	OJ990316_16.9819.C11.o1.gp	Method	AAT/GAP
Start	21754	End	21859
GI	2896_1.R1084	Score	146
Exons	21754..21859		
GI Descrip.	'131271/sp\|P12157\|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A		

photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	479	End	944
GI	none	Score	113
Exons	479..640, 479..640, 480..668, 487..669, 739..828, 753..830, 767..853, 869..943, 870..944		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	479	End	944
GI	none	Score	174
Exons	479..637, 480..698, 714..941, 722..943, 726..944		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	4709	End	4966
GI	none	Score	249
Exons	4709..4966, 4765..4965		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	4859	End	5326
GI	none	Score	111
Exons	4859..5017, 5042..5326, 5218..5286		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	4967	End	5346
GI	none	Score	87
Exons	4967..5038, 4969..5037, 5000..5344, 5000..5260, 5002..5346		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o5.ts	Method	TBLASTX:Soybean
Start	5573	End	5992
GI	none	Score	122
Exons	5573..5773, 5659..5757, 5795..5992, 5797..5991		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507

Name	OJ990316_16.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	5578	End	6237
GI	none	Score	339
Exons	5578..5967, 5579..5965, 6148..6237		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	5639	End	6019
GI	none	Score	303
Exons	5639..6019, 5650..5805, 5857..5937		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	6308	End	6694
GI	none	Score	89
Exons	6308..6385, 6314..6436, 6416..6694, 6445..6663		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o5.tw	Method	TBLASTX:Wheat
Start	12631	End	13051
GI	none	Score	220
Exons	12631..13044, 12632..13051		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	21759	End	21903
GI	none	Score	136
Exons	21759..21902, 21759..21902, 21763..21903, 21766..21903		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o4.tc	Method	TBLASTX:Cress
Start	21759	End	21955
GI	none	Score	149
Exons	21759..21896, 21759..21896, 21763..21897, 21766..21897, 21767..21907, 21812..21901, 21854..21955, 21891..21950, 21892..21954		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	21759	End	21911
GI	none	Score	241
Exons	21759..21896, 21763..21897, 21766..21897, 21767..21907, 21815..21901, 21891..21911		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11

Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	21919	End	22453
GI	none	Score	99
Exons	21919..22074, 21957..22064, 22070..22453, 22073..22417, 22122..22445		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	21957	End	22453
GI	none	Score	108
Exons	21957..22055, 21957..22064, 21959..22066, 22070..22453, 22091..22438, 22122..22445		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o4.ts	Method	TBLASTX:Soybean
Start	22462	End	23439
GI	none	Score	78
Exons	22462..22578, 22467..22577, 22467..22580, 22468..22593, 22578..22733, 22585..22734, 22586..22762, 22592..22735, 22593..22796, 22729..22863, 22730..22840, 22733..22873, 22746..22874, 23302..23439, 23302..23385, 23310..23438		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o3.tc	Method	TBLASTX:Cress
Start	22469	End	22864
GI	none	Score	80
Exons	22469..22567, 22470..22586, 22582..22821, 22608..22862, 22649..22864, 22673..22855		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o2.gp	Method	AAT/GAP
Start	22591	End	22671
GI	LIB3432-013-P1-K1-E3	Score	127
Exons	22591..22671		
GI Descrip.	'133446/sp\|P12093\|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	22851	End	23198
GI	none	Score	45
Exons	22851..22922, 22863..22967, 22863..22916, 22864..22917,		

22881..22919, 22894..22920, 22921..22965, 22921..22965,
22922..22990, 22922..22990, 22925..22999, 22932..23018,
22940..22999, 22952..22996, 22953..23135, 22955..22996,
22971..23027, 22971..23153, 22974..23048, 22980..23090,
22980..23027, 23025..23180, 23034..23183, 23034..23183,
23043..23198, 23046..23180, 23054..23098, 23061..23192,
23088..23153, 23102..23194, 23105..23182, 23106..23192,
23149..23184, 23159..23197

Seq. No.	18338	Seq. ID	OJ990316_16.9819.C11
Gene No.	38456	Strand	-
Start	22591	End	23507
Name	OJ990316_16.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	23199	End	23507
GI	none	Score	46
Exons	23199..23243, 23202..23240, 23217..23294, 23233..23364, 23280..23453, 23281..23463, 23281..23454, 23438..23506, 23439..23507		

Seq. No.	18339	Seq. ID	OJ990316_16.9819.C12
Gene No.	38457	Strand	+
Start	1	End	18343
Name	OJ990316_16.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	18343
GI	5852175	Score	136
Exons	1..184, 974..1030, 2180..2273, 2883..2915, 18318..18343		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	18339	Seq. ID	OJ990316_16.9819.C12
Gene No.	38457	Strand	+
Start	1	End	18343
Name	OJ990316_16.9819.C12.o1.gs	Method	GENSCAN
Start	82	End	1058
GI	none	Score	.51
Exons	82..430, 594..662, 999..1058		

Seq. No.	18339	Seq. ID	OJ990316_16.9819.C12
Gene No.	38458	Strand	-
Start	1501	End	6722
Name	OJ990316_16.9819.C12.o2.gs	Method	GENSCAN
Start	1501	End	6722
GI	none	Score	.59
Exons	1501..1535, 2146..2309, 3219..3322, 3660..3778, 3849..3910, 4185..4239, 4570..4811, 5004..5144, 6646..6722		

Seq. No.	18339	Seq. ID	OJ990316_16.9819.C12
Gene No.	38458	Strand	-
Start	1501	End	6722
Name	OJ990316_16.9819.C12.o1.gp	Method	AAT/GAP
Start	6022	End	6284
GI	2315_5.R1084	Score	340
Exons	6022..6284		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18339	Seq. ID	OJ990316_16.9819.C12
Gene No.	38459	Strand	-

Start	9666	End	12851
Name	OJ990316_16.9819.C12.o3.gs	Method	GENSCAN
Start	9666	End	12851
GI	none	Score	.41
Exons	9666..9807, 12050..12162, 12765..12851		

Seq. No.	18339	Seq. ID	OJ990316_16.9819.C12
Gene No.	38460	Strand	-
Start	14886	End	15819
Name	OJ990316_16.9819.C12.o4.gs	Method	GENSCAN
Start	14886	End	15777
GI	none	Score	.49
Exons	14886..14958, 15113..15777		

Seq. No.	18339	Seq. ID	OJ990316_16.9819.C12
Gene No.	38460	Strand	-
Start	14886	End	15819
Name	OJ990316_16.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	15388	End	15819
GI	none	Score	83
Exons	15388..15543, 15483..15677, 15484..15675, 15583..15699, 15585..15809, 15598..15819, 15630..15764, 15631..15765		

Seq. No.	18340	Seq. ID	OJ990316_16.9819.C13
Gene No.	38461	Strand	+
Start	235	End	551
Name	OJ990316_16.9819.C13.o1.gs	Method	GENSCAN
Start	235	End	551
GI	none	Score	.98
Exons	235..339, 493..551		

Seq. No.	18340	Seq. ID	OJ990316_16.9819.C13
Gene No.	38462	Strand	+
Start	2329	End	10116
Name	OJ990316_16.9819.C13.o2.gs	Method	GENSCAN
Start	2329	End	10116
GI	none	Score	.59
Exons	2329..3361, 3617..3697, 3737..3945, 4012..4744, 5455..5652, 7481..7616, 7879..7944, 7982..8130, 9920..10116		

Seq. No.	18340	Seq. ID	OJ990316_16.9819.C13
Gene No.	38462	Strand	+
Start	2329	End	10116
Name	OJ990316_16.9819.C13.o1.np	Method	AAT/NAP
Start	2406	End	4581
GI	4325357	Score	369
Exons	2406..3203, 4012..4581		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	18340	Seq. ID	OJ990316_16.9819.C13
Gene No.	38462	Strand	+
Start	2329	End	10116
Name	OJ990316_16.9819.C13.o2.np	Method	AAT/NAP
Start	6411	End	9261
GI	6063554	Score	609

Exons	6411..6546, 7497..7780, 7898..8155, 9086..9261		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	18340	Seq. ID	OJ990316_16.9819.C13
Gene No.	38462	Strand	+
Start	2329	End	10116
Name	OJ990316_16.9819.C13.o2.gp	Method	AAT/GAP
Start	9581	End	9888
GI	61605_3.R1084	Score	410
Exons	9581..9888		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	18340	Seq. ID	OJ990316_16.9819.C13
Gene No.	38463	Strand	-
Start	1422	End	1988
Name	OJ990316_16.9819.C13.o1.gp	Method	AAT/GAP
Start	1422	End	1988
GI	4879016	Score	828
Exons	1422..1988		
GI Descrip.	6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	18340	Seq. ID	OJ990316_16.9819.C13
Gene No.	38464	Strand	-
Start	9881	End	10312
Name	OJ990316_16.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	2791	End	3099
GI	none	Score	190
Exons	2791..3099		
Seq. No.	18340	Seq. ID	OJ990316_16.9819.C13
Gene No.	38464	Strand	-
Start	9881	End	10312
Name	OJ990316_16.9819.C13.o3.np	Method	AAT/NAP
Start	9881	End	10312
GI	4680185	Score	321
Exons	9881..10312		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	18341	Seq. ID	OJ990316_16.9819.C14
Gene No.	38465	Strand	+
Start	790	End	3481
Name	OJ990316_16.9819.C14.o1.gs	Method	GENSCAN
Start	790	End	3481
GI	none	Score	.45
Exons	790..895, 1134..1166, 1999..2309, 3069..3291, 3396..3481		
Seq. No.	18341	Seq. ID	OJ990316_16.9819.C14
Gene No.	38466	Strand	-
Start	778	End	5198
Name	OJ990316_16.9819.C14.o1.np	Method	AAT/NAP
Start	778	End	5198
GI	4680186	Score	311

Exons	778..979, 1815..1868, 5148..5198		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	18342	Seq. ID	OJ990316_16.9819.C15
Gene No.	38467	Strand	-
Start	1331	End	2024
Name	OJ990316_16.9819.C15.o1.gs	Method	GENSCAN
Start	1331	End	1920
GI	none	Score	.69
Exons	1331..1510, 1765..1920		
Seq. No.	18342	Seq. ID	OJ990316_16.9819.C15
Gene No.	38467	Strand	-
Start	1331	End	2024
Name	OJ990316_16.9819.C15.o1.gp	Method	AAT/GAP
Start	1771	End	2024
GI	61149_1.R1084	Score	399
Exons	1771..2024		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	18343	Seq. ID	OJ990316_16.9819.C16
Gene No.	38468	Strand	+
Start	1732	End	4430
Name	OJ990316_16.9819.C16.o1.gs	Method	GENSCAN
Start	1732	End	4430
GI	none	Score	.75
Exons	1732..1869, 1981..2136, 2318..2420, 2575..2613, 2756..2819, 3163..3334, 3698..3806, 4204..4430		
Seq. No.	18343	Seq. ID	OJ990316_16.9819.C16
Gene No.	38469	Strand	-
Start	75	End	2502
Name	OJ990316_16.9819.C16.o1.np	Method	AAT/NAP
Start	75	End	2502
GI	4467119	Score	161
Exons	75..102, 1999..2502		
GI Descrip.	(AL035538) Histone deacetylase [Arabidopsis thaliana]		
Seq. No.	18344	Seq. ID	OJ990316_16.9819.C17
Gene No.	38470	Strand	+
Start	414	End	1359
Name	OJ990316_16.9819.C17.o1.gs	Method	GENSCAN
Start	414	End	1359
GI	none	Score	.42
Exons	414..526, 602..921, 968..1359		
Seq. No.	18345	Seq. ID	OJ990316_16.9819.C18
Gene No.	38471	Strand	+
Start	1	End	1199
Name	OJ990316_16.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	1199
GI	2443320	Score	1571
Exons	1..1199		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	18345	Seq. ID	OJ990316_16.9819.C18
Gene No.	38471	Strand	+
Start	1	End	1199
Name	OJ990316_16.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	46	End	817
GI	none	Score	72
Exons	46..102, 51..98, 94..336, 95..367, 116..367, 165..428, 353..817, 381..470, 389..787, 397..816		

Seq. No.	18345	Seq. ID	OJ990316_16.9819.C18
Gene No.	38471	Strand	+
Start	1	End	1199
Name	OJ990316_16.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	64	End	337
GI	5509260	Score	42
Exons	64..99, 95..328, 107..250, 178..315, 281..337		
GI Descrip.	-		

Seq. No.	18345	Seq. ID	OJ990316_16.9819.C18
Gene No.	38471	Strand	+
Start	1	End	1199
Name	OJ990316_16.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	94	End	454
GI	none	Score	271
Exons	94..315, 95..454, 176..340		

Seq. No.	18345	Seq. ID	OJ990316_16.9819.C18
Gene No.	38471	Strand	+
Start	1	End	1199
Name	OJ990316_16.9819.C18.o1.gs	Method	GENSCAN
Start	116	End	1165
GI	none	Score	.96
Exons	116..1165		

Seq. No.	18345	Seq. ID	OJ990316_16.9819.C18
Gene No.	38471	Strand	+
Start	1	End	1199
Name	OJ990316_16.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	467	End	919
GI	none	Score	60
Exons	467..628, 605..832, 839..919		

Seq. No.	18345	Seq. ID	OJ990316_16.9819.C18
Gene No.	38471	Strand	+
Start	1	End	1199
Name	OJ990316_16.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	788	End	1146
GI	none	Score	50
Exons	788..832, 839..1144, 991..1146		

Seq. No.	18345	Seq. ID	OJ990316_16.9819.C18
Gene No.	38471	Strand	+
Start	1	End	1199
Name	OJ990316_16.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	899	End	1146
GI	none	Score	288
Exons	899..1144, 900..1121, 904..1146		

Seq. No.	18346	Seq. ID	OJ990316_16.9819.C19
Gene No.	38472	Strand	+
Start	414	End	583
Name	OJ990316_16.9819.C19.o1.gs	Method	GENSCAN
Start	414	End	583
GI	none	Score	.64
Exons	414..583		

Seq. No.	18347	Seq. ID	OJ990316_16.9819.C20
Gene No.	38473	Strand	-
Start	1	End	3525
Name	OJ990316_16.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	1963
GI	2443320	Score	2433
Exons	1..1963		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	18347	Seq. ID	OJ990316_16.9819.C20
Gene No.	38473	Strand	-
Start	1	End	3525
Name	OJ990316_16.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	40	End	491
GI	none	Score	405
Exons	40..384, 42..491, 43..465		

Seq. No.	18347	Seq. ID	OJ990316_16.9819.C20
Gene No.	38473	Strand	-
Start	1	End	3525
Name	OJ990316_16.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	42	End	257
GI	none	Score	96
Exons	42..257, 43..255		

Seq. No.	18347	Seq. ID	OJ990316_16.9819.C20
Gene No.	38473	Strand	-
Start	1	End	3525
Name	OJ990316_16.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	45	End	485
GI	none	Score	244
Exons	45..485		

Seq. No.	18347	Seq. ID	OJ990316_16.9819.C20
Gene No.	38473	Strand	-
Start	1	End	3525
Name	OJ990316_16.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	276	End	649
GI	none	Score	60
Exons	276..491, 345..467, 515..649		

Seq. No.	18347	Seq. ID	OJ990316_16.9819.C20
Gene No.	38473	Strand	-
Start	1	End	3525
Name	OJ990316_16.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	494	End	3525
GI	none	Score	108
Exons	494..700, 506..700, 678..923, 707..880, 714..926, 3475..3525		

Seq. No.	18347	Seq. ID	OJ990316_16.9819.C20
Gene No.	38473	Strand	-
Start	1	End	3525
Name	OJ990316_16.9819.C20.o1.gs	Method	GENSCAN
Start	1172	End	3137
GI	none	Score	.6
Exons	1172..1963, 2962..3137		

Seq. No.	18347	Seq. ID	OJ990316_16.9819.C20
Gene No.	38473	Strand	-
Start	1	End	3525
Name	OJ990316_16.9819.C20.o3.tw	Method	TBLASTX:Wheat
Start	1419	End	1765
GI	none	Score	62
Exons	1419..1586, 1445..1765		

Seq. No.	18348	Seq. ID	OJ990316_17.9819.C1
Gene No.	38474	Strand	-
Start	462	End	644
Name	OJ990316_17.9819.C1.o1.gs	Method	GENSCAN
Start	462	End	644
GI	none	Score	.97
Exons	462..644		

Seq. No.	18349	Seq. ID	OJ990316_17.9819.C2
Gene No.	38475	Strand	-
Start	1	End	772
Name	OJ990316_17.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	772
GI	2498930	Score	1233
Exons	1..772		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18349	Seq. ID	OJ990316_17.9819.C2
Gene No.	38475	Strand	-
Start	1	End	772
Name	OJ990316_17.9819.C2.o1.gs	Method	GENSCAN
Start	22	End	713
GI	none	Score	.91
Exons	22..110, 125..713		

Seq. No.	18350	Seq. ID	OJ990316_17.9819.C3
Gene No.	38476	Strand	-
Start	179	End	242
Name	OJ990316_17.9819.C3.o1.np	Method	AAT/NAP
Start	179	End	242
GI	2498930	Score	59
Exons	179..242		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18350	Seq. ID	OJ990316_17.9819.C3
Gene No.	38477	Strand	-
Start	179	End	238
Name	OJ990316_17.9819.C3.o1.gs	Method	GENSCAN

Start	179	End	238
GI	none	Score	.94
Exons	179..238		

Seq. No.	18351	Seq. ID	OJ990316_17.9819.C4
Gene No.	38478	Strand	+
Start	937	End	1032
Name	OJ990316_17.9819.C4.o1.np	Method	AAT/NAP
Start	937	End	1032
GI	6630685	Score	87
Exons	937..1032		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	18351	Seq. ID	OJ990316_17.9819.C4
Gene No.	38479	Strand	-
Start	1	End	708
Name	OJ990316_17.9819.C4.o1.gp	Method	AAT/GAP
Start	1	End	226
GI	2427756	Score	363
Exons	1..226		

Seq. No.	18351	Seq. ID	OJ990316_17.9819.C4
Gene No.	38479	Strand	-
Start	1	End	708
Name	OJ990316_17.9819.C4.o1.gs	Method	GENSCAN
Start	85	End	708
GI	none	Score	.58
Exons	85..537, 600..708		

Seq. No.	18351	Seq. ID	OJ990316_17.9819.C4
Gene No.	38479	Strand	-
Start	1	End	708
Name	OJ990316_17.9819.C4.o2.gp	Method	AAT/GAP
Start	238	End	567
GI	426063	Score	598
Exons	238..567		

Seq. No.	18351	Seq. ID	OJ990316_17.9819.C4
Gene No.	38480	Strand	-
Start	760	End	929
Name	OJ990316_17.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	305	End	826
GI	none	Score	84
Exons	305..406, 306..404, 347..421, 408..551, 409..543, 413..550, 416..559, 554..826, 555..728		

Seq. No.	18351	Seq. ID	OJ990316_17.9819.C4
Gene No.	38480	Strand	-
Start	760	End	929
Name	OJ990316_17.9819.C4.o3.gp	Method	AAT/GAP
Start	760	End	929
GI	none	Score	293
Exons	760..929		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38481	Strand	+

Start	163	End	6577
Name	OJ990316_17.9819.C5.o1.gp	Method	AAT/GAP
Start	163	End	1180
GI	94549_1.R1084	Score	483
Exons	163..184, 289..420, 1057..1180		
GI Descrip.	'1871187 1.0e-27 (U90439) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38481	Strand	+
Start	163	End	6577
Name	OJ990316_17.9819.C5.o1.gs	Method	GENSCAN
Start	301	End	6577
GI	none	Score	.86
Exons	301..420, 991..1185, 1295..3229, 5087..5135, 6399..6577		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38481	Strand	+
Start	163	End	6577
Name	OJ990316_17.9819.C5.o2.gp	Method	AAT/GAP
Start	1362	End	1745
GI	none	Score	744
Exons	1362..1745		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38481	Strand	+
Start	163	End	6577
Name	OJ990316_17.9819.C5.o3.gp	Method	AAT/GAP
Start	1938	End	2267
GI	426063	Score	598
Exons	1938..2267		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38481	Strand	+
Start	163	End	6577
Name	OJ990316_17.9819.C5.o4.gp	Method	AAT/GAP
Start	2279	End	2739
GI	2427756	Score	852
Exons	2279..2739		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38481	Strand	+
Start	163	End	6577
Name	OJ990316_17.9819.C5.o5.gp	Method	AAT/GAP
Start	2802	End	3583
GI	none	Score	1461
Exons	2802..3583		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38482	Strand	+
Start	11719	End	19584
Name	OJ990316_17.9819.C5.o3.gs	Method	GENSCAN
Start	11719	End	19584
GI	none	Score	.4
Exons	11719..12293, 12348..13320, 13352..13511, 13683..14285, 14550..15332, 15489..16470, 17539..17595, 17813..17955, 18155..18671, 18738..19584		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38483	Strand	+
Start	20631	End	22101
Name	OJ990316_17.9819.C5.o4.gs	Method	GENSCAN
Start	20631	End	22101
GI	none	Score	.42
Exons	20631..20674, 21140..21206, 21856..22101		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38484	Strand	+
Start	24582	End	32818
Name	OJ990316_17.9819.C5.o6.gs	Method	GENSCAN
Start	24582	End	32818
GI	none	Score	.84
Exons	24582..24695, 24846..24914, 25094..25569, 25652..25748, 26374..26511, 26593..26692, 26809..27005, 27086..27151, 27319..27537, 27622..27680, 27765..27831, 27914..28300, 28319..28387, 28458..28611, 28667..28699, 28839..28963, 29043..29147, 32397..32500, 32617..32818		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38484	Strand	+
Start	24582	End	32818
Name	OJ990316_17.9819.C5.o6.gp	Method	AAT/GAP
Start	26887	End	27459
GI	uC-osf1M202123g04b1	Score	562
Exons	26887..27005, 27086..27151, 27319..27459		
GI Descrip.	'2865416 3.0e-18 (AF039367) chromomethylase [Arabidopsis thaliana]'		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38485	Strand	+
Start	35932	End	37638
Name	OJ990316_17.9819.C5.o7.gs	Method	GENSCAN
Start	35932	End	37638
GI	none	Score	.99
Exons	35932..37638		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38486	Strand	+
Start	43569	End	57748
Name	OJ990316_17.9819.C5.o7.gp	Method	AAT/GAP
Start	43569	End	46353
GI	26170_1.R1084	Score	1730
Exons	43569..43759, 45546..46236, 46325..46353		
GI Descrip.	'5441874/dbj\|BAA82373.1\| 4.0e-16 (AP000366) Similar to maize transposon MuDR mudrA-like protein. (AC002340) [Oryza sativa]'		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38486	Strand	+
Start	43569	End	57748
Name	OJ990316_17.9819.C5.o9.gs	Method	GENSCAN
Start	45568	End	57748
GI	none	Score	.68
Exons	45568..45887, 46150..46236, 46325..46435, 46569..46685, 46773..48545, 52424..52628, 53258..53339, 53457..53546,		

53781..53906, 54569..54696, 54996..55195, 56690..56753, 57626..57748

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38486	Strand	+
Start	43569	End	57748
Name	OJ990316_17.9819.C5.o8.gp	Method	AAT/GAP
Start	48582	End	49683
GI	none	Score	718
Exons	48582..48631, 49359..49683		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38487	Strand	+
Start	72505	End	72711
Name	OJ990316_17.9819.C5.o12.gs	Method	GENSCAN
Start	72505	End	72711
GI	none	Score	.84
Exons	72505..72711		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38488	Strand	+
Start	76945	End	77652
Name	OJ990316_17.9819.C5.o14.gs	Method	GENSCAN
Start	76945	End	77652
GI	none	Score	1
Exons	76945..77652		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38489	Strand	+
Start	78578	End	79022
Name	OJ990316_17.9819.C5.o12.gp	Method	AAT/GAP
Start	78578	End	79022
GI	LIB3431-028-P1-N1-A10	Score	770
Exons	78578..78648, 78676..79022		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38490	Strand	-
Start	23321	End	24079
Name	OJ990316_17.9819.C5.o5.gs	Method	GENSCAN
Start	23321	End	24079
GI	none	Score	.71
Exons	23321..24079		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38491	Strand	-
Start	40332	End	44994
Name	OJ990316_17.9819.C5.o8.gs	Method	GENSCAN
Start	40332	End	44994
GI	none	Score	.51
Exons	40332..40591, 41477..41501, 43517..43717, 43766..43915, 44569..44994		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38492	Strand	-
Start	59212	End	65144

Name	OJ990316_17.9819.C5.o10.gs	Method	GENSCAN
Start	59212	End	65144
GI	none	Score	.49
Exons	59212..59444, 59608..59902, 59989..60129, 63392..63748, 64089..64535, 64685..64743, 65066..65144		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38493	Strand	-
Start	65609	End	66137
Name	OJ990316_17.9819.C5.o9.gp	Method	AAT/GAP
Start	65609	End	66137
GI	none	Score	927
Exons	65609..66137		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38494	Strand	-
Start	69229	End	71017
Name	OJ990316_17.9819.C5.o11.gs	Method	GENSCAN
Start	69229	End	71017
GI	none	Score	.81
Exons	69229..69291, 70955..71017		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38495	Strand	-
Start	73808	End	76289
Name	OJ990316_17.9819.C5.o13.gs	Method	GENSCAN
Start	73808	End	76289
GI	none	Score	.93
Exons	73808..73990, 74070..74168, 74263..74335, 74625..74798, 74906..75680, 75837..75978, 76074..76289		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o14.ts	Method	TBLASTX:Soybean
Start	283	End	1224
GI	none	Score	106
Exons	283..381, 342..383, 382..423, 384..428, 997..1224, 1027..1188, 1056..1223		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o18.tm	Method	TBLASTX:Maize
Start	283	End	1119
GI	none	Score	214
Exons	283..423, 290..421, 330..428, 1000..1119, 1024..1110		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o19.tm	Method	TBLASTX:Maize
Start	1679	End	2011
GI	none	Score	214
Exons	1679..1951, 1777..1950, 1946..2011		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5

Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o5.tm	Method	TBLASTX:Maize
Start	2012	End	3583
GI	none	Score	85
Exons	2012..2074, 2014..2088, 2077..2163, 2078..2194, 2082..2198, 2180..2248, 2194..2232, 2267..2317, 2321..2848, 2324..2518, 2424..2846, 2854..2907, 2854..2910, 2855..2911, 2901..2987, 2905..2988, 2906..2992, 3158..3226, 3163..3225, 3278..3355, 3279..3335, 3284..3367, 3403..3468, 3437..3511, 3438..3473, 3532..3570, 3533..3562, 3533..3583		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o15.tm	Method	TBLASTX:Maize
Start	13237	End	13597
GI	none	Score	105
Exons	13237..13329, 13239..13331, 13358..13597, 13366..13434, 13462..13590		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o10.tw	Method	TBLASTX:Wheat
Start	13373	End	13690
GI	none	Score	229
Exons	13373..13690, 13460..13591, 13471..13608		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o8.tm	Method	TBLASTX:Maize
Start	13600	End	13990
GI	none	Score	93
Exons	13600..13731, 13601..13729, 13719..13925, 13720..13941, 13724..13990, 13736..13987		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	13763	End	14335
GI	none	Score	256
Exons	13763..14008, 13772..14017, 14048..14326, 14048..14335		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	13997	End	14857
GI	none	Score	109
Exons	13997..14068, 14023..14070, 14068..14646, 14069..14686, 14695..14796, 14699..14857		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-

Start	77878	End	82519
Name	OJ990316_17.9819.C5.o5.ts	Method	TBLASTX:Soybean
Start	14177	End	14638
GI	none	Score	319
Exons	14177..14638, 14206..14385, 14434..14550		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o12.tc	Method	TBLASTX:Cress
Start	14219	End	14635
GI	none	Score	191
Exons	14219..14635		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o13.tw	Method	TBLASTX:Wheat
Start	14420	End	14761
GI	none	Score	91
Exons	14420..14497, 14504..14650, 14513..14650, 14672..14761, 14698..14751		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o11.tm	Method	TBLASTX:Maize
Start	14858	End	15145
GI	none	Score	290
Exons	14858..15106, 14878..15141, 15095..15145		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	14873	End	15486
GI	5509260	Score	700
Exons	14873..15481, 14968..15486, 15400..15486		
GI Descrip.	-		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	15002	End	15478
GI	none	Score	91
Exons	15002..15091, 15005..15088, 15098..15124, 15123..15458, 15125..15472, 15131..15256, 15133..15471, 15302..15478		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o10.tc	Method	TBLASTX:Cress
Start	15094	End	15367
GI	none	Score	196
Exons	15094..15240, 15095..15367, 15161..15241		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o7.tm	Method	TBLASTX:Maize
Start	15146	End	15613
GI	none	Score	558
Exons	15146..15613, 15146..15265, 15148..15612		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o17.tm	Method	TBLASTX:Maize
Start	15655	End	15847
GI	none	Score	251
Exons	15655..15846, 15656..15847		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o12.tw	Method	TBLASTX:Wheat
Start	15662	End	16093
GI	none	Score	93
Exons	15662..15823, 15836..16093		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	15848	End	16535
GI	none	Score	882
Exons	15848..16510, 15850..16524, 15857..16525, 16425..16535		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o3.ts	Method	TBLASTX:Soybean
Start	15857	End	16522
GI	none	Score	281
Exons	15857..16240, 15874..16233, 16274..16522, 16282..16449		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o9.tc	Method	TBLASTX:Cress
Start	16037	End	16477
GI	none	Score	61
Exons	16037..16126, 16130..16264, 16250..16477, 16276..16443		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o15.tw	Method	TBLASTX:Wheat
Start	16130	End	16462
GI	none	Score	107
Exons	16130..16255, 16150..16251, 16274..16462, 16331..16450		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5

Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o2.tc	Method	TBLASTX:Cress
Start	25436	End	32692
GI	none	Score	57
Exons	25436..25549, 25644..25745, 26169..26267, 26425..26502, 26599..26676, 26922..26960, 26927..27004, 27086..27154, 27088..27153, 27316..27387, 27622..27678, 27766..27840, 27913..28125, 27913..27963, 27914..28240, 28015..28236, 28322..28384, 28497..28541, 28651..28695, 28871..28960, 29040..29087, 32124..32168, 32125..32169, 32247..32318, 32249..32317, 32394..32501, 32423..32503, 32615..32692, 32617..32685		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o16.tm	Method	TBLASTX:Maize
Start	26184	End	26679
GI	none	Score	146
Exons	26184..26264, 26189..26278, 26190..26267, 26374..26451, 26415..26438, 26433..26510, 26433..26510, 26434..26547, 26435..26512, 26592..26678, 26593..26679		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	27619	End	32820
GI	none	Score	39
Exons	27619..27642, 27642..27689, 27646..27690, 27762..27830, 27766..27831, 27913..28245, 27914..28246, 27914..28255, 28318..28386, 28319..28387, 28421..28540, 28428..28544, 28446..28544, 28451..28546, 28593..28682, 28609..28698, 28626..28688, 28837..28971, 28838..28960, 28867..28971, 29022..29123, 29025..29150, 29042..29149, 32124..32165, 32125..32190, 32247..32321, 32250..32321, 32394..32501, 32399..32503, 32408..32503, 32615..32764, 32617..32751, 32618..32782, 32661..32780, 32749..32820, 32750..32818, 32761..32820		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o15.ts	Method	TBLASTX:Soybean
Start	27913	End	28237
GI	none	Score	89
Exons	27913..27963, 27914..27976, 28013..28237		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o7.ts	Method	TBLASTX:Soybean
Start	32246	End	32680
GI	none	Score	127
Exons	32246..32317, 32247..32327, 32247..32327, 32394..32501, 32423..32503, 32614..32679, 32615..32680		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o8.tc	Method	TBLASTX:Cress
Start	36561	End	36792
GI	none	Score	127
Exons	36561..36686, 36574..36687, 36684..36791, 36691..36792		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	36570	End	37473
GI	none	Score	123
Exons	36570..36680, 36571..36687, 36694..36900, 36696..36776, 36766..36867, 36813..36875, 36897..37001, 36898..37263, 36955..37053, 37056..37247, 37258..37305, 37342..37473		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o11.tw	Method	TBLASTX:Wheat
Start	36613	End	36903
GI	none	Score	225
Exons	36613..36903, 36648..36887		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	36645	End	37568
GI	none	Score	391
Exons	36645..36887, 36646..36891, 36799..36891, 36912..37322, 36913..37314, 37338..37460, 37339..37476, 37533..37568		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	36793	End	37224
GI	none	Score	146
Exons	36793..36900, 36813..36881, 36897..37001, 36898..37224, 37056..37223		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o6.tw	Method	TBLASTX:Wheat
Start	36913	End	37239
GI	none	Score	347
Exons	36913..37239, 36918..37004, 37056..37238		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o9.tm	Method	TBLASTX:Maize

Start	45548	End	45810
GI	none	Score	89
Exons	45548..45664, 45556..45810, 45556..45807		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o7.tc	Method	TBLASTX:Cress
Start	45585	End	45870
GI	none	Score	255
Exons	45585..45674, 45586..45870, 45759..45863		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o9.ts	Method	TBLASTX:Soybean
Start	45586	End	45864
GI	none	Score	268
Exons	45586..45864, 45589..45843		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o9.tw	Method	TBLASTX:Wheat
Start	45814	End	47104
GI	none	Score	67
Exons	45814..45888, 46863..47102, 46869..47102, 46870..47103, 46898..47104		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o5.tc	Method	TBLASTX:Cress
Start	46894	End	47316
GI	none	Score	288
Exons	46894..47316, 47073..47273		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o6.tm	Method	TBLASTX:Maize
Start	46897	End	47316
GI	none	Score	704
Exons	46897..47316, 46898..47311, 46899..47312		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o10.ts	Method	TBLASTX:Soybean
Start	47155	End	47418
GI	none	Score	254
Exons	47155..47418, 47160..47414		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o20.tm	Method	TBLASTX:Maize

Start	47317	End	47536
GI	none	Score	114
Exons	47317..47412, 47325..47411, 47406..47495, 47407..47496, 47495..47536		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o10.tm	Method	TBLASTX:Maize
Start	47998	End	48420
GI	none	Score	139
Exons	47998..48168, 48201..48416, 48205..48420, 48205..48420		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o8.tw	Method	TBLASTX:Wheat
Start	48096	End	48582
GI	none	Score	74
Exons	48096..48170, 48097..48189, 48205..48465, 48234..48416, 48537..48578, 48538..48582		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o11.ts	Method	TBLASTX:Soybean
Start	48193	End	48582
GI	none	Score	252
Exons	48193..48489, 48201..48425, 48457..48582		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o21.tm	Method	TBLASTX:Maize
Start	53255	End	55040
GI	none	Score	133
Exons	53255..53347, 53257..53355, 53258..55413, 53449..53547, 53456..53548, 54995..55039, 54996..55040		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o14.tm	Method	TBLASTX:Maize
Start	53780	End	61270
GI	none	Score	79
Exons	53780..53872, 53780..53881, 53780..53869, 54541..54675, 54541..54657, 54568..54675, 55056..55181, 58558..58602, 58561..58605, 60419..60562, 60419..60562, 60421..60567, 60421..60564, 60425..60562, 60637..60693, 60638..60691, 60639..60698, 61006..61098, 61027..61098, 61037..61093, 61180..61266, 61182..61268, 61184..61270, 61185..61259		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o13.ts	Method	TBLASTX:Soybean
Start	53780	End	61268

GI	none	Score	87
Exons	53780..53884, 53780..53869, 60488..60529, 60490..60531, 60512..60562, 60636..60695, 60637..60693, 61027..61095, 61035..61094, 61182..61268, 61184..61261, 61185..61259		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o4.tc	Method	TBLASTX:Cress
Start	53780	End	60596
GI	none	Score	82
Exons	53780..53872, 54541..54675, 55122..55196, 55130..55195, 56679..56753, 58238..58339, 58248..58364, 58253..58354, 58460..58597, 58462..58605, 58467..58598, 58477..58602, 60418..60573, 60419..60571, 60420..60596		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o8.ts	Method	TBLASTX:Soybean
Start	54576	End	56753
GI	none	Score	125
Exons	54576..54650, 54577..54651, 54628..54693, 54660..54695, 55010..55195, 55011..55196, 56679..56753		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o6.ts	Method	TBLASTX:Soybean
Start	58248	End	58583
GI	none	Score	185
Exons	58248..58367, 58253..58360, 58461..58583, 58462..58578		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o11.tc	Method	TBLASTX:Cress
Start	61036	End	61259
GI	none	Score	104
Exons	61036..61101, 61041..61100, 61182..61259, 61184..61258		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o14.tw	Method	TBLASTX:Wheat
Start	75766	End	76139
GI	none	Score	60
Exons	75766..75984, 76068..76139		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o14.gp	Method	AAT/GAP
Start	77878	End	81959
GI	342_1.R1084	Score	6729
Exons	77878..78435, 78514..78533, 78569..81959		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza		

sativa]'

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o13.gp	Method	AAT/GAP
Start	77880	End	81959
GI	342_1.R1084	Score	6725
Exons	77880..78435, 78514..78533, 78569..81959		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o15.gs	Method	GENSCAN
Start	78641	End	82519
GI	none	Score	.74
Exons	78641..78713, 78933..80823, 80958..81129, 81160..81963, 82326..82519		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	78716	End	80033
GI	none	Score	120
Exons	78716..78808, 78797..78877, 78890..79030, 78891..79031, 78978..79073, 79010..79069, 79076..79117, 79076..79120, 79081..79122, 79115..80032, 79131..80033		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o3.tc	Method	TBLASTX:Cress
Start	79298	End	79749
GI	none	Score	195
Exons	79298..79735, 79298..79741, 79302..79745, 79323..79745, 79594..79749		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o12.tm	Method	TBLASTX:Maize
Start	79676	End	80056
GI	none	Score	68
Exons	79676..79906, 79676..79990, 79704..79979, 80006..80056		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o5.tw	Method	TBLASTX:Wheat
Start	80034	End	80444
GI	none	Score	51
Exons	80034..80078, 80036..80119, 80153..80395, 80202..80375, 80381..80443, 80394..80444		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o12.ts	Method	TBLASTX:Soybean
Start	80477	End	80719
GI	none	Score	214
Exons	80477..80719		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o13.tm	Method	TBLASTX:Maize
Start	80549	End	80994
GI	none	Score	107
Exons	80549..80743, 80753..80878, 80872..80994		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	80583	End	81051
GI	none	Score	157
Exons	80583..80789, 80588..80791, 80588..80791, 80791..80826, 80792..80878, 80793..80879, 80893..80997, 80897..80986, 80998..81051, 80999..81043		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o6.tc	Method	TBLASTX:Cress
Start	80872	End	81187
GI	none	Score	69
Exons	80872..81180, 80903..80995, 81035..81187		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o4.ts	Method	TBLASTX:Soybean
Start	80920	End	81346
GI	none	Score	97
Exons	80920..81216, 80933..81184, 81211..81345, 81212..81346		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o7.tw	Method	TBLASTX:Wheat
Start	81259	End	81657
GI	none	Score	65
Exons	81259..81360, 81262..81360, 81345..81503, 81361..81513, 81362..81514, 81519..81638, 81520..81657		

Seq. No.	18352	Seq. ID	OJ990316_17.9819.C5
Gene No.	38496	Strand	-
Start	77878	End	82519
Name	OJ990316_17.9819.C5.o15.gp	Method	AAT/GAP
Start	81824	End	82451
GI	2310235	Score	301

Exons	81824..81963, 82414..82451		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	18353	Seq. ID	OJ990316_17.9819.C7
Gene No.	38497	Strand	-
Start	724	End	853
Name	OJ990316_17.9819.C7.o3.gp	Method	AAT/GAP
Start	724	End	853
GI	21474_1.R1084	Score	195
Exons	724..853		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	18354	Seq. ID	OJ990316_17.9819.C9
Gene No.	38498	Strand	+
Start	1	End	783
Name	OJ990316_17.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	783
GI	140298	Score	645
Exons	1..464, 751..783		
GI Descrip.	CYTOCHROME C BIOGENESIS PROTEIN CCSA gi\|82524\|pir\|\|JQ0288 hypothetical 36.7K protein (trnL-trnN intergenic region) - rice chloroplast gi\|12049\|emb\|CAA33952\| (X15901) ORF321 [Oryza sativa] gi\|226669\|prf\|\|1603356CW ORF 321 [Oryza sativa]		
Seq. No.	18354	Seq. ID	OJ990316_17.9819.C9
Gene No.	38499	Strand	-
Start	505	End	606
Name	OJ990316_17.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	45	End	426
GI	none	Score	64
Exons	45..122, 47..151, 221..310, 235..312, 351..425, 352..426		
Seq. No.	18354	Seq. ID	OJ990316_17.9819.C9
Gene No.	38499	Strand	-
Start	505	End	606
Name	OJ990316_17.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	45	End	426
GI	none	Score	52
Exons	45..95, 45..119, 196..423, 204..425, 208..426		
Seq. No.	18354	Seq. ID	OJ990316_17.9819.C9
Gene No.	38499	Strand	-
Start	505	End	606
Name	OJ990316_17.9819.C9.o1.gs	Method	GENSCAN
Start	505	End	606
GI	none	Score	.99
Exons	505..606		
Seq. No.	18355	Seq. ID	OJ990316_17.9819.C11
Gene No.	38500	Strand	-
Start	432	End	733
Name	OJ990316_17.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	429	End	733
GI	none	Score	148
Exons	429..554, 430..537, 456..557, 608..733, 619..708		

Seq. No.	18355	Seq. ID	OJ990316_17.9819.C11
Gene No.	38500	Strand	-
Start	432	End	733
Name	OJ990316_17.9819.C11.o1.gs	Method	GENSCAN
Start	432	End	536
GI	none	Score	.67
Exons	432..536		

Seq. No.	18356	Seq. ID	OJ990316_17.9819.C12
Gene No.	38501	Strand	+
Start	306	End	443
Name	OJ990316_17.9819.C12.o1.gs	Method	GENSCAN
Start	306	End	443
GI	none	Score	.94
Exons	306..443		

Seq. No.	18356	Seq. ID	OJ990316_17.9819.C12
Gene No.	38502	Strand	-
Start	68	End	797
Name	OJ990316_17.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	38	End	659
GI	none	Score	39
Exons	38..223, 132..233, 234..308, 342..599, 342..659, 349..621		

Seq. No.	18356	Seq. ID	OJ990316_17.9819.C12
Gene No.	38502	Strand	-
Start	68	End	797
Name	OJ990316_17.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	46	End	662
GI	none	Score	71
Exons	46..156, 57..233, 66..149, 71..238, 232..660, 234..662, 234..659, 283..660		

Seq. No.	18356	Seq. ID	OJ990316_17.9819.C12
Gene No.	38502	Strand	-
Start	68	End	797
Name	OJ990316_17.9819.C12.o1.np	Method	AAT/NAP
Start	68	End	797
GI	6630685	Score	772
Exons	68..797		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	18357	Seq. ID	OJ990316_17.9819.C13
Gene No.	38503	Strand	+
Start	1	End	534
Name	OJ990316_17.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	529
GI	4127781	Score	155
Exons	1..28, 244..356, 449..529		
GI Descrip.	(AJ012588) Notchless protein [Drosophila melanogaster]		

Seq. No.	18357	Seq. ID	OJ990316_17.9819.C13
Gene No.	38503	Strand	+
Start	1	End	534
Name	OJ990316_17.9819.C13.o1.gs	Method	GENSCAN

Start	252	End	356
GI	none	Score	.77
Exons	252..356		

Seq. No.	18357	Seq. ID	OJ990316_17.9819.C13
Gene No.	38503	Strand	+
Start	1	End	534
Name	OJ990316_17.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	270	End	534
GI	none	Score	40
Exons	270..362, 287..358, 291..362, 444..530, 446..532, 448..534,	301..357, 302..358, 444..503, 449..523, 458..523	

Seq. No.	18357	Seq. ID	OJ990316_17.9819.C13
Gene No.	38503	Strand	+
Start	1	End	534
Name	OJ990316_17.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	291	End	532
GI	none	Score	107
Exons	291..359, 299..358, 446..532,	448..525, 449..523	

Seq. No.	18357	Seq. ID	OJ990316_17.9819.C13
Gene No.	38503	Strand	+
Start	1	End	534
Name	OJ990316_17.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	300	End	523
GI	none	Score	97
Exons	300..365, 305..364, 446..523,	448..522	

Seq. No.	18358	Seq. ID	OJ990316_13.9819.C1
Gene No.	38504	Strand	+
Start	346	End	623
Name	OJ990316_13.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	238	End	386
GI	none	Score	200
Exons	238..384, 246..386, 267..386		

Seq. No.	18358	Seq. ID	OJ990316_13.9819.C1
Gene No.	38504	Strand	+
Start	346	End	623
Name	OJ990316_13.9819.C1.o1.gs	Method	GENSCAN
Start	346	End	541
GI	none	Score	.75
Exons	346..541		

Seq. No.	18358	Seq. ID	OJ990316_13.9819.C1
Gene No.	38504	Strand	+
Start	346	End	623
Name	OJ990316_13.9819.C1.o1.np	Method	AAT/NAP
Start	346	End	623
GI	1196996	Score	404
Exons	346..623		
GI Descrip.	(J01829) unknown protein [Transposon Tn10]		

Seq. No.	18359	Seq. ID	OJ990316_13.9819.C2
Gene No.	38505	Strand	-
Start	1	End	638

Name	OJ990316_13.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	449
GI	729704	Score	51
Exons	1..98, 321..449		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi\|1078700\|pir\|\|A47156 hexamer-binding protein HEXBP - Leishmania major gi\|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	18359	Seq. ID	OJ990316_13.9819.C2
Gene No.	38505	Strand	-
Start	1	End	638
Name	OJ990316_13.9819.C2.o1.gs	Method	GENSCAN
Start	104	End	638
GI	none	Score	.51
Exons	104..638		

Seq. No.	18360	Seq. ID	OJ990316_13.9819.C4
Gene No.	38506	Strand	+
Start	3520	End	3676
Name	OJ990316_13.9819.C4.o1.gp	Method	AAT/GAP
Start	3520	End	3676
GI	21474_1.R1084	Score	177
Exons	3520..3676		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	18360	Seq. ID	OJ990316_13.9819.C4
Gene No.	38507	Strand	-
Start	4048	End	7745
Name	OJ990316_13.9819.C4.o1.np	Method	AAT/NAP
Start	4048	End	7745
GI	4680204	Score	1052
Exons	4048..4185, 4536..4755, 4852..5025, 5135..6234, 6309..7745		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	18360	Seq. ID	OJ990316_13.9819.C4
Gene No.	38507	Strand	-
Start	4048	End	7745
Name	OJ990316_13.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	4686	End	5208
GI	none	Score	68
Exons	4686..4757, 4857..5039, 4864..4989, 5128..5208		

Seq. No.	18360	Seq. ID	OJ990316_13.9819.C4
Gene No.	38507	Strand	-
Start	4048	End	7745
Name	OJ990316_13.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	6699	End	7102
GI	none	Score	48
Exons	6699..6794, 6699..6869, 6832..6999, 6864..7100, 6921..7100, 6962..7102, 6992..7102		

Seq. No.	18360	Seq. ID	OJ990316_13.9819.C4
Gene No.	38507	Strand	-
Start	4048	End	7745
Name	OJ990316_13.9819.C4.o3.gs	Method	GENSCAN

Start	6702	End	7730
GI	none	Score	.85
Exons	6702..7730		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38508	Strand	+
Start	820	End	1237
Name	OJ990316_13.9819.C5.o4.gp	Method	AAT/GAP
Start	820	End	1237
GI	LIB3431-028-P1-N1-A10	Score	832
Exons	820..1237		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38509	Strand	-
Start	1	End	4626
Name	OJ990316_13.9819.C5.o1.gp	Method	AAT/GAP
Start	1	End	4049
GI	342_1.R1084	Score	6555
Exons	1..466, 576..673, 756..775, 811..4049		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38509	Strand	-
Start	1	End	4626
Name	OJ990316_13.9819.C5.o3.gp	Method	AAT/GAP
Start	1	End	4048
GI	342_1.R1084	Score	6553
Exons	1..466, 576..673, 756..775, 811..4048		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38509	Strand	-
Start	1	End	4626
Name	OJ990316_13.9819.C5.o2.gp	Method	AAT/GAP
Start	1	End	4044
GI	342_1.R1084	Score	6552
Exons	1..466, 576..673, 756..775, 811..4044		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38509	Strand	-
Start	1	End	4626
Name	OJ990316_13.9819.C5.o6.gp	Method	AAT/GAP
Start	93	End	4174
GI	342_1.R1084	Score	6564
Exons	93..466, 576..673, 756..775, 811..4174		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38509	Strand	-
Start	1	End	4626

Name	OJ990316_13.9819.C5.o7.gp	Method	AAT/GAP
Start	95	End	4174
GI	342_1.R1084	Score	6560
Exons	95..466, 576..673, 756..775, 811..4174		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38509	Strand	-
Start	1	End	4626
Name	OJ990316_13.9819.C5.o5.gp	Method	AAT/GAP
Start	96	End	4174
GI	342_1.R1084	Score	6558
Exons	96..466, 576..673, 756..775, 811..4174		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38509	Strand	-
Start	1	End	4626
Name	OJ990316_13.9819.C5.o1.np	Method	AAT/NAP
Start	877	End	4178
GI	4680203	Score	3260
Exons	877..1854, 2131..2361, 2515..4178		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38509	Strand	-
Start	1	End	4626
Name	OJ990316_13.9819.C5.o8.gp	Method	AAT/GAP
Start	4039	End	4626
GI	2310235	Score	301
Exons	4039..4178, 4589..4626		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-
Start	11846	End	13919
Name	OJ990316_13.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	931	End	2248
GI	none	Score	131
Exons	931..1023, 1012..1092, 1105..1245, 1106..1246, 1193..1288, 1225..1284, 1291..1335, 1296..1331, 1330..2247, 1346..2248		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-
Start	11846	End	13919
Name	OJ990316_13.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	1513	End	1964
GI	none	Score	209
Exons	1513..1950, 1513..1956, 1517..1960, 1523..1960, 1782..1964		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-
Start	11846	End	13919
Name	OJ990316_13.9819.C5.o1.tm	Method	TBLASTX:Maize

Start	1858	End	2334
GI	none	Score	82
Exons	1858..2334, 1880..2065, 2119..2196		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-
Start	11846	End	13919
Name	OJ990316_13.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	2249	End	2659
GI	none	Score	81
Exons	2249..2335, 2251..2340, 2251..2334, 2368..2586, 2408..2590, 2596..2658, 2609..2659		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-
Start	11846	End	13919
Name	OJ990316_13.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	2692	End	2934
GI	none	Score	216
Exons	2692..2934		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-
Start	11846	End	13919
Name	OJ990316_13.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	2764	End	3212
GI	none	Score	73
Exons	2764..2958, 2968..3132, 2969..3133, 3141..3212, 3141..3200		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-
Start	11846	End	13919
Name	OJ990316_13.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	2798	End	3257
GI	none	Score	178
Exons	2798..3004, 2798..3007, 2803..3006, 2803..3027, 3007..3105, 3008..3100, 3109..3132, 3113..3139, 3130..3192, 3135..3203, 3204..3257, 3205..3249		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-
Start	11846	End	13919
Name	OJ990316_13.9819.C5.o2.tc	Method	TBLASTX:Cress
Start	3055	End	3393
GI	none	Score	44
Exons	3055..3132, 3074..3133, 3141..3386, 3142..3201, 3241..3393		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-
Start	11846	End	13919
Name	OJ990316_13.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	3138	End	3555
GI	none	Score	99
Exons	3138..3422, 3139..3390, 3417..3479, 3472..3555, 3480..3554		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-

Start	11846	End	13919
Name	OJ990316_13.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	3471	End	3827
GI	none	Score	146
Exons	3471..3728, 3484..3726, 3486..3737, 3487..3729, 3720..3827		

Seq. No.	18361	Seq. ID	OJ990316_13.9819.C5
Gene No.	38510	Strand	-
Start	11846	End	13919
Name	OJ990316_13.9819.C5.o2.np	Method	AAT/NAP
Start	11846	End	13919
GI	5091523	Score	124
Exons	11846..11935, 12069..12191, 12262..12810, 13653..13750, 13804..13919		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	18362	Seq. ID	OJ990316_13.9819.C6
Gene No.	38511	Strand	+
Start	117	End	565
Name	OJ990316_13.9819.C6.o1.gs	Method	GENSCAN
Start	117	End	565
GI	none	Score	.49
Exons	117..565		

Seq. No.	18362	Seq. ID	OJ990316_13.9819.C6
Gene No.	38512	Strand	-
Start	5851	End	7314
Name	OJ990316_13.9819.C6.o1.np	Method	AAT/NAP
Start	5743	End	7293
GI	5730135	Score	1368
Exons	5743..7293		
GI Descrip.	(AL109796) putative protein [Arabidopsis thaliana]		

Seq. No.	18362	Seq. ID	OJ990316_13.9819.C6
Gene No.	38512	Strand	-
Start	5851	End	7314
Name	OJ990316_13.9819.C6.o3.gs	Method	GENSCAN
Start	5851	End	7314
GI	none	Score	1
Exons	5851..7314		

Seq. No.	18362	Seq. ID	OJ990316_13.9819.C6
Gene No.	38513	Strand	-
Start	7302	End	7745
Name	OJ990316_13.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	5968	End	6291
GI	none	Score	58
Exons	5968..6033, 5969..6022, 6088..6291, 6128..6283		

Seq. No.	18362	Seq. ID	OJ990316_13.9819.C6
Gene No.	38513	Strand	-
Start	7302	End	7745
Name	OJ990316_13.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	6094	End	6285
GI	none	Score	150
Exons	6094..6285, 6131..6283		

Seq. No.	18362	Seq. ID	OJ990316_13.9819.C6
Gene No.	38513	Strand	-
Start	7302	End	7745
Name	OJ990316_13.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	6097	End	6750
GI	none	Score	111
Exons	6097..6285, 6146..6283, 6394..6750, 6401..6634		

Seq. No.	18362	Seq. ID	OJ990316_13.9819.C6
Gene No.	38513	Strand	-
Start	7302	End	7745
Name	OJ990316_13.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	6169	End	6781
GI	none	Score	115
Exons	6169..6285, 6170..6283, 6394..6741, 6401..6781		

Seq. No.	18362	Seq. ID	OJ990316_13.9819.C6
Gene No.	38513	Strand	-
Start	7302	End	7745
Name	OJ990316_13.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	6961	End	7327
GI	none	Score	313
Exons	6961..7326, 6962..7327		

Seq. No.	18362	Seq. ID	OJ990316_13.9819.C6
Gene No.	38513	Strand	-
Start	7302	End	7745
Name	OJ990316_13.9819.C6.o1.gp	Method	AAT/GAP
Start	7302	End	7745
GI	none	Score	874
Exons	7302..7745		

Seq. No.	18363	Seq. ID	OJ990316_13.9819:C7
Gene No.	38514	Strand	+
Start	1	End	3556
Name	OJ990316_13.9819.C7.o2.np	Method	AAT/NAP
Start	1	End	823
GI	6630699	Score	74
Exons	1..75, 752..823		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18363	Seq. ID	OJ990316_13.9819.C7
Gene No.	38514	Strand	+
Start	1	End	3556
Name	OJ990316_13.9819.C7.o1.gs	Method	GENSCAN
Start	306	End	1619
GI	none	Score	.65
Exons	306..420, 1045..1084, 1544..1619		

Seq. No.	18363	Seq. ID	OJ990316_13.9819.C7
Gene No.	38514	Strand	+
Start	1	End	3556
Name	OJ990316_13.9819.C7.o1.np	Method	AAT/NAP
Start	959	End	2911

GI	6539570	Score	134
Exons	959..1153, 1303..1368, 2886..2911		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	18363	Seq. ID	OJ990316_13.9819.C7
Gene No.	38514	Strand	+
Start	1	End	3556
Name	OJ990316_13.9819.C7.o3.np	Method	AAT/NAP
Start	959	End	3556
GI	6539570	Score	127
Exons	959..1153, 1303..1371, 3519..3556		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	18363	Seq. ID	OJ990316_13.9819.C7
Gene No.	38515	Strand	-
Start	3455	End	3685
Name	OJ990316_13.9819.C7.o2.gs	Method	GENSCAN
Start	3455	End	3685
GI	none	Score	.83
Exons	3455..3685		

Seq. No.	18364	Seq. ID	OJ990316_13.9819.C8
Gene No.	38516	Strand	+
Start	56	End	1099
Name	OJ990316_13.9819.C8.o1.gs	Method	GENSCAN
Start	56	End	956
GI	none	Score	.92
Exons	56..575, 666..956		

Seq. No.	18364	Seq. ID	OJ990316_13.9819.C8
Gene No.	38516	Strand	+
Start	56	End	1099
Name	OJ990316_13.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	272	End	578
GI	none	Score	333
Exons	272..577, 318..578, 318..569, 331..576, 455..577		

Seq. No.	18364	Seq. ID	OJ990316_13.9819.C8
Gene No.	38516	Strand	+
Start	56	End	1099
Name	OJ990316_13.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	284	End	694
GI	none	Score	196
Exons	284..541, 439..525, 665..694		

Seq. No.	18364	Seq. ID	OJ990316_13.9819.C8
Gene No.	38516	Strand	+
Start	56	End	1099
Name	OJ990316_13.9819.C8.o1.np	Method	AAT/NAP
Start	296	End	1099
GI	4585884	Score	375
Exons	296..575, 666..1099		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18364	Seq. ID	OJ990316_13.9819.C8
Gene No.	38516	Strand	+
Start	56	End	1099

Name	OJ990316_13.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	650	End	990
GI	none	Score	139
Exons	650..754, 661..753, 757..990, 761..964		

Seq. No.	18364	Seq. ID	OJ990316_13.9819.C8
Gene No.	38516	Strand	+
Start	56	End	1099
Name	OJ990316_13.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	695	End	963
GI	none	Score	420
Exons	695..952, 697..963		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9
Gene No.	38517	Strand	+
Start	6017	End	9003
Name	OJ990316_13.9819.C9.o1.np	Method	AAT/NAP
Start	6017	End	9003
GI	6730737	Score	264
Exons	6017..6067, 7223..7769, 7846..8169, 8829..9003		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9
Gene No.	38517	Strand	+
Start	6017	End	9003
Name	OJ990316_13.9819.C9.o2.gs	Method	GENSCAN
Start	7273	End	8450
GI	none	Score	.48
Exons	7273..7432, 7560..7735, 7794..8450		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9
Gene No.	38518	Strand	-
Start	8667	End	11413
Name	OJ990316_13.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	7215	End	8164
GI	none	Score	269
Exons	7215..7388, 7216..7500, 7228..7434, 7559..7759, 7633..7752, 7833..7985, 7979..8161, 7980..8162, 7982..8164		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9
Gene No.	38518	Strand	-
Start	8667	End	11413
Name	OJ990316_13.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	7215	End	8162
GI	none	Score	303
Exons	7215..7388, 7216..7500, 7640..7759, 7833..7937, 7979..8062, 7980..8054, 8097..8162, 8105..8161		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9
Gene No.	38518	Strand	-
Start	8667	End	11413
Name	OJ990316_13.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	7215	End	7410
GI	none	Score	210
Exons	7215..7406, 7216..7410		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9

Gene No.	38518	Strand	-
Start	8667	End	11413
Name	OJ990316_13.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	7215	End	8162
GI	none	Score	281
Exons	7215..7406, 7216..7500, 7234..7431, 7555..7740, 7559..7759, 7833..7985, 7853..8020, 7976..8161, 7980..8162		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9
Gene No.	38518	Strand	-
Start	8667	End	11413
Name	OJ990316_13.9819.C9.o2.np	Method	AAT/NAP
Start	8667	End	9975
GI	5777617	Score	82
Exons	8667..8764, 9931..9975		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9
Gene No.	38518	Strand	-
Start	8667	End	11413
Name	OJ990316_13.9819.C9.o3.gs	Method	GENSCAN
Start	9831	End	11306
GI	none	Score	.58
Exons	9831..10016, 10347..11306		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9
Gene No.	38518	Strand	-
Start	8667	End	11413
Name	OJ990316_13.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	10199	End	10458
GI	none	Score	67
Exons	10199..10246, 10200..10247, 10294..10452, 10317..10457, 10318..10458		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9
Gene No.	38518	Strand	-
Start	8667	End	11413
Name	OJ990316_13.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	10458	End	10859
GI	none	Score	370
Exons	10458..10859, 10459..10854		

Seq. No.	18365	Seq. ID	OJ990316_13.9819.C9
Gene No.	38518	Strand	-
Start	8667	End	11413
Name	OJ990316_13.9819.C9.o1.gp	Method	AAT/GAP
Start	10681	End	11413
GI	none	Score	1387
Exons	10681..11413		

Seq. No.	18366	Seq. ID	OJ990316_13.9819.C10
Gene No.	38519	Strand	+
Start	508	End	897
Name	OJ990316_13.9819.C10.o1.gs	Method	GENSCAN
Start	508	End	897
GI	none	Score	.91
Exons	508..897		

Seq. No.	18366	Seq. ID	OJ990316_13.9819.C10
Gene No.	38520	Strand	+
Start	8107	End	11757
Name	OJ990316_13.9819.C10.o4.gs	Method	GENSCAN
Start	8107	End	11131
GI	none	Score	.7
Exons	8107..8137, 8451..8538, 8952..9126, 10367..10727, 10968..11131		

Seq. No.	18366	Seq. ID	OJ990316_13.9819.C10
Gene No.	38520	Strand	+
Start	8107	End	11757
Name	OJ990316_13.9819.C10.o1.np	Method	AAT/NAP
Start	10074	End	11757
GI	6907086	Score	1142
Exons	10074..10838, 10899..11070, 11302..11757		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18366	Seq. ID	OJ990316_13.9819.C10
Gene No.	38521	Strand	-
Start	953	End	2044
Name	OJ990316_13.9819.C10.o1.gp	Method	AAT/GAP
Start	953	End	1446
GI	none	Score	940
Exons	953..1446		

Seq. No.	18366	Seq. ID	OJ990316_13.9819.C10
Gene No.	38521	Strand	-
Start	953	End	2044
Name	OJ990316_13.9819.C10.o2.gs	Method	GENSCAN
Start	1081	End	2022
GI	none	Score	.98
Exons	1081..2022		

Seq. No.	18366	Seq. ID	OJ990316_13.9819.C10
Gene No.	38521	Strand	-
Start	953	End	2044
Name	OJ990316_13.9819.C10.o2.gp	Method	AAT/GAP
Start	1194	End	2044
GI	none	Score	1349
Exons	1194..2044		

Seq. No.	18366	Seq. ID	OJ990316_13.9819.C10
Gene No.	38522	Strand	-
Start	2885	End	4022
Name	OJ990316_13.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	1090	End	3451
GI	none	Score	130
Exons	1090..1182, 1090..1230, 1106..1231, 3398..3451		

Seq. No.	18366	Seq. ID	OJ990316_13.9819.C10
Gene No.	38522	Strand	-
Start	2885	End	4022
Name	OJ990316_13.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	1231	End	1632
GI	none	Score	190
Exons	1231..1632, 1232..1411, 1505..1591		

Seq. No.	18366	Seq. ID	OJ990316_13.9819.C10
Gene No.	38522	Strand	-
Start	2885	End	4022
Name	OJ990316_13.9819.C10.o3.gs	Method	GENSCAN
Start	2885	End	4022
GI	none	Score	.44
Exons	2885..3109, 3305..3328, 3442..3625, 3970..4022		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38523	Strand	+
Start	796	End	16319
Name	OJ990316_13.9819.C11.o3.np	Method	AAT/NAP
Start	796	End	16319
GI	81286	Score	213
Exons	796..1051, 3294..3412, 6808..6915, 7384..7432, 9330..9384, 9499..9536, 16206..16319		
GI Descrip.	extensin - Volvox carteri (fragment) gi\|21992\|emb\|CAA46283\| (X65165) extensin [Volvox carteri]		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38523	Strand	+
Start	796	End	16319
Name	OJ990316_13.9819.C11.o1.np	Method	AAT/NAP
Start	8620	End	8928
GI	122106	Score	523
Exons	8620..8928		
GI Descrip.	HISTONE H4 gi\|70771\|pir\|\|HSZM4 histone H4 - maize gi\|81642\|pir\|\|S06904 histone H4 - Arabidopsis thaliana gi\|2119028\|pir\|\|S60475 histone H4 - garden pea gi\|21795\|emb\|CAA24924\| (X00043) histone H4 [Triticum aestivum] gi\|166740 (M17132) histone H4 [Arabidopsis thaliana] gi\|166742 (M17133) histone H4 [Arabidopsis thaliana] gi\|168499 (M36659) histone H4 (H4C13) [Zea mays]		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38523	Strand	+
Start	796	End	16319
Name	OJ990316_13.9819.C11.o3.gp	Method	AAT/GAP
Start	14237	End	14745
GI	35064_1.R1084	Score	1006
Exons	14237..14745		
GI Descrip.	'2829892 3.0e-12 (AC002311) putative pectinesterase [Arabidopsis thaliana]'		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38524	Strand	+
Start	19610	End	20240
Name	OJ990316_13.9819.C11.o5.gp	Method	AAT/GAP
Start	19610	End	20240
GI	none	Score	979
Exons	19610..20061, 20173..20240		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38525	Strand	+
Start	22811	End	23431
Name	OJ990316_13.9819.C11.o9.gs	Method	GENSCAN

Start	22811	End	23431
GI	none	Score	.78
Exons	22811..23215, 23351..23431		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38526	Strand	-
Start	2754	End	3703
Name	OJ990316_13.9819.C11.o2.gs	Method	GENSCAN
Start	2754	End	3703
GI	none	Score	.8
Exons	2754..2958, 3006..3703		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38527	Strand	-
Start	6649	End	7587
Name	OJ990316_13.9819.C11.o3.gs	Method	GENSCAN
Start	6649	End	7587
GI	none	Score	.98
Exons	6649..7587		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38528	Strand	-
Start	8291	End	9058
Name	OJ990316_13.9819.C11.o1.gp	Method	AAT/GAP
Start	8291	End	9058
GI	666_10.R1084	Score	871
Exons	8291..8319, 8572..9058		
GI Descrip.	'3402817/emb\|CAA07704\| 2.0e-35 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38529	Strand	-
Start	9187	End	10140
Name	OJ990316_13.9819.C11.o5.gs	Method	GENSCAN
Start	9187	End	10140
GI	none	Score	.96
Exons	9187..10140		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38530	Strand	-
Start	10389	End	10641
Name	OJ990316_13.9819.C11.o6.gs	Method	GENSCAN
Start	10389	End	10641
GI	none	Score	.59
Exons	10389..10491, 10526..10641		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38531	Strand	-
Start	14543	End	16459
Name	OJ990316_13.9819.C11.o7.gs	Method	GENSCAN
Start	14543	End	16459
GI	none	Score	.42
Exons	14543..15243, 15307..16459		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38531	Strand	-
Start	14543	End	16459

Name	OJ990316_13.9819.C11.o2.np	Method	AAT/NAP
Start	14552	End	16453
GI	6714532	Score	1317
Exons	14552..15243, 15307..16230, 16262..16453		
GI Descrip.	(AB029461) pectin methylesterase [Salix gilgiana]		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38531	Strand	-
Start	14543	End	16459
Name	OJ990316_13.9819.C11.o4.gp	Method	AAT/GAP
Start	14864	End	15254
GI	uC-osflcyp169f02b1	Score	743
Exons	14864..15254		
GI Descrip.	'2739370 3.0e-38 (AC002505) putative pectinesterase [Arabidopsis thaliana]'		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38532	Strand	-
Start	17227	End	20396
Name	OJ990316_13.9819.C11.o8.gs	Method	GENSCAN
Start	17227	End	20396
GI	none	Score	.54
Exons	17227..17247, 17482..17591, 17683..17785, 18844..18998, 19714..20187, 20228..20396		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38533	Strand	-
Start	21186	End	21266
Name	OJ990316_13.9819.C11.o6.gp	Method	AAT/GAP
Start	21186	End	21266
GI	38012_1.R1084	Score	101
Exons	21186..21266		
GI Descrip.	'4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	2913	End	7218
GI	none	Score	234
Exons	2913..3125, 2914..3111, 3002..3133, 3126..3296, 3128..3274, 3137..3307, 3269..3313, 6808..6885, 6821..6886, 6928..6966, 6994..7110, 7015..7107, 7102..7218, 7132..7218		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	3373	End	15607
GI	none	Score	142
Exons	3373..3420, 15311..15607, 15312..15560, 15362..15607		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o3.tm	Method	TBLASTX:Maize

Start	8584	End	8937
GI	none	Score	210
Exons	8584..8697, 8664..8888, 8676..8804, 8683..8937		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	8609	End	8949
GI	none	Score	199
Exons	8609..8686, 8611..8697, 8664..8882, 8676..8804, 8683..8949		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	8664	End	8940
GI	none	Score	81
Exons	8664..8888, 8679..8804, 8683..8940		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	8664	End	8958
GI	none	Score	414
Exons	8664..8888, 8683..8958		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	14543	End	15896
GI	none	Score	151
Exons	14543..14668, 14543..14710, 14547..14702, 14651..15241, 14661..15242, 15308..15643, 15309..15644, 15362..15658, 15589..15699, 15689..15895, 15708..15896		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	14567	End	15880
GI	none	Score	45
Exons	14567..14845, 14631..14702, 14748..14843, 14864..15244, 14882..15130, 14901..15245, 15311..15544, 15312..15548, 15557..15640, 15773..15880		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	14597	End	15871
GI	none	Score	84
Exons	14597..14854, 14598..14771, 14876..15244, 14946..15245, 15303..15590, 15308..15595, 15578..15640, 15800..15871		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	14774	End	15212
GI	none	Score	54
Exons	14774..14845, 14777..14854, 14799..14849, 14876..15133, 14876..15208, 14901..15212		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	15896	End	16457
GI	none	Score	239
Exons	15896..16195, 15989..16186, 16310..16456, 16311..16457		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	19987	End	20350
GI	none	Score	86
Exons	19987..20061, 19991..20056, 19997..20062, 20010..20063, 20167..20262, 20167..20262, 20171..20329, 20276..20350		

Seq. No.	18367	Seq. ID	OJ990316_13.9819.C11
Gene No.	38534	Strand	-
Start	24383	End	24629
Name	OJ990316_13.9819.C11.o10.gs	Method	GENSCAN
Start	24383	End	24629
GI	none	Score	.48
Exons	24383..24387, 24485..24629		

Seq. No.	18368	Seq. ID	OJ990316_13.9819.C13
Gene No.	38535	Strand	-
Start	1	End	785
Name	OJ990316_13.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	785
GI	2498930	Score	1198
Exons	1..785		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18368	Seq. ID	OJ990316_13.9819.C13
Gene No.	38535	Strand	-
Start	1	End	785
Name	OJ990316_13.9819.C13.o1.gs	Method	GENSCAN
Start	68	End	720
GI	none	Score	.71
Exons	68..720		

Seq. No.	18369	Seq. ID	OJ990316_13.9819.C14
Gene No.	38536	Strand	-
Start	1	End	766
Name	OJ990316_13.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	766

GI	2498930	Score	47
Exons	1..47, 187..246, 739..766		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18370	Seq. ID	OJ990316_13.9819.C15
Gene No.	38537	Strand	-
Start	10	End	256
Name	OJ990316_13.9819.C15.o1.gs	Method	GENSCAN
Start	10	End	222
GI	none	Score	.96
Exons	10..222		

Seq. No.	18370	Seq. ID	OJ990316_13.9819.C15
Gene No.	38537	Strand	-
Start	10	End	256
Name	OJ990316_13.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	104	End	256
GI	none	Score	188
Exons	104..256, 106..255		

Seq. No.	18371	Seq. ID	OJ990226_02.9819.C2
Gene No.	38538	Strand	+
Start	387	End	449
Name	OJ990226_02.9819.C2.o1.gs	Method	GENSCAN
Start	387	End	449
GI	none	Score	.59
Exons	387..449		

Seq. No.	18372	Seq. ID	OJ990226_02.9819.C4
Gene No.	38539	Strand	-
Start	224	End	465
Name	OJ990226_02.9819.C4.o1.gs	Method	GENSCAN
Start	224	End	465
GI	none	Score	.87
Exons	224..360, 398..465		

Seq. No.	18373	Seq. ID	OJ990226_02.9819.C6
Gene No.	38540	Strand	-
Start	138	End	1094
Name	OJ990226_02.9819.C6.o1.np	Method	AAT/NAP
Start	138	End	1094
GI	1514643	Score	498
Exons	138..395, 496..750, 912..1094		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	18373	Seq. ID	OJ990226_02.9819.C6
Gene No.	38540	Strand	-
Start	138	End	1094
Name	OJ990226_02.9819.C6.o1.gp	Method	AAT/GAP
Start	289	End	544
GI	5056010	Score	254
Exons	289..395, 496..544		
GI Descrip.	1514643/emb\|CAA94437\| 8.0e-28 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	18373	Seq. ID	OJ990226_02.9819.C6

Gene No.	38540	Strand	-
Start	138	End	1094
Name	OJ990226_02.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	297	End	983
GI	none	Score	95
Exons	297..395, 307..396, 307..399, 503..751, 909..983	308..403, 484..606, 499..753,	

Seq. No.	18373	Seq. ID	OJ990226_02.9819.C6
Gene No.	38540	Strand	-
Start	138	End	1094
Name	OJ990226_02.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	297	End	1026
GI	none	Score	126
Exons	297..395, 298..396, 305..424, 512..754, 909..983, 988..1026	313..399, 315..383, 499..753,	

Seq. No.	18373	Seq. ID	OJ990226_02.9819.C6
Gene No.	38540	Strand	-
Start	138	End	1094
Name	OJ990226_02.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	303	End	753
GI	none	Score	56
Exons	303..383, 309..425, 310..393,	499..753, 578..709	

Seq. No.	18373	Seq. ID	OJ990226_02.9819.C6
Gene No.	38540	Strand	-
Start	138	End	1094
Name	OJ990226_02.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	306	End	1027
GI	none	Score	113
Exons	306..395, 307..390, 316..399, 909..983, 910..984, 968..1027	499..753, 500..751, 520..753,	

Seq. No.	18374	Seq. ID	OJ990226_02.9819.C10
Gene No.	38541	Strand	+
Start	342	End	650
Name	OJ990226_02.9819.C10.o1.gs	Method	GENSCAN
Start	342	End	650
GI	none	Score	.71
Exons	342..650		

Seq. No.	18375	Seq. ID	OJ990226_02.9819.C11
Gene No.	38542	Strand	+
Start	1103	End	1387
Name	OJ990226_02.9819.C11.o1.gs	Method	GENSCAN
Start	1103	End	1387
GI	none	Score	.88
Exons	1103..1387		

Seq. No.	18375	Seq. ID	OJ990226_02.9819.C11
Gene No.	38543	Strand	+
Start	7402	End	11766
Name	OJ990226_02.9819.C11.o4.gs	Method	GENSCAN
Start	7402	End	11766
GI	none	Score	.89
Exons	7402..7608, 8393..8553, 8948..9180, 10038..10155, 11525..11592,		

11630..11766

Seq. No.	18375	Seq. ID	OJ990226_02.9819.C11
Gene No.	38544	Strand	+
Start	16648	End	17455
Name	OJ990226_02.9819.C11.o6.gs	Method	GENSCAN
Start	16648	End	17455
GI	none	Score	.48
Exons	16648..16686, 16857..16994, 17163..17455		

Seq. No.	18375	Seq. ID	OJ990226_02.9819.C11
Gene No.	38545	Strand	-
Start	1	End	6074
Name	OJ990226_02.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	5986
GI	4263543	Score	225
Exons	1..20, 3341..3477, 5522..5986		
GI Descrip.	(AC006250) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	18375	Seq. ID	OJ990226_02.9819.C11
Gene No.	38545	Strand	-
Start	1	End	6074
Name	OJ990226_02.9819.C11.o2.gs	Method	GENSCAN
Start	3027	End	4520
GI	none	Score	.72
Exons	3027..3268, 3439..3759, 4283..4520		

Seq. No.	18375	Seq. ID	OJ990226_02.9819.C11
Gene No.	38545	Strand	-
Start	1	End	6074
Name	OJ990226_02.9819.C11.o3.gs	Method	GENSCAN
Start	5125	End	6074
GI	none	Score	.72
Exons	5125..5285, 5346..5497, 5623..6074		

Seq. No.	18375	Seq. ID	OJ990226_02.9819.C11
Gene No.	38546	Strand	-
Start	13654	End	14607
Name	OJ990226_02.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	5553	End	5900
GI	none	Score	97
Exons	5553..5765, 5784..5900		

Seq. No.	18375	Seq. ID	OJ990226_02.9819.C11
Gene No.	38546	Strand	-
Start	13654	End	14607
Name	OJ990226_02.9819.C11.o5.gs	Method	GENSCAN
Start	13654	End	14607
GI	none	Score	.68
Exons	13654..13789, 13898..14079, 14467..14607		

Seq. No.	18375	Seq. ID	OJ990226_02.9819.C11
Gene No.	38546	Strand	-
Start	13654	End	14607
Name	OJ990226_02.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	14241	End	14462

GI	none	Score	184
Exons	14241..14462		

Seq. No.	18376	Seq. ID	OJ990226_02.9819.C12
Gene No.	38547	Strand	-
Start	4550	End	5790
Name	OJ990226_02.9819.C12.o1.np	Method	AAT/NAP
Start	4550	End	5790
GI	6539571	Score	89
Exons	4550..4653, 5173..5286, 5655..5790		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38548	Strand	+
Start	442	End	17361
Name	OJ990226_02.9819.C13.o1.gs	Method	GENSCAN
Start	442	End	17361
GI	none	Score	.53
Exons	442..698, 1811..2096, 2165..2219, 2335..2467, 2700..2741, 2747..2868, 3645..3894, 4942..5004, 6604..6691, 6989..7079, 7155..7456, 7928..8244, 8408..8487, 9250..9392, 9521..9853, 10086..10376, 10499..10582, 10666..10799, 11607..11655, 12172..12282, 13166..13260, 14293..14403, 15907..16173, 17238..17361		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38548	Strand	+
Start	442	End	17361
Name	OJ990226_02.9819.C13.o1.np	Method	AAT/NAP
Start	4940	End	12426
GI	1514643	Score	3726
Exons	4940..5048, 6005..6107, 6194..6272, 6367..6526, 6615..6691, 6827..6877, 6989..7084, 7160..7456, 7538..7819, 7928..8244, 8327..8487, 8599..8702, 8786..8942, 9037..9147, 9277..9392, 9521..9853, 10086..10376, 10499..10582, 10666..10799, 11122..11349, 11483..11655, 11817..12071, 12172..12426		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38548	Strand	+
Start	442	End	17361
Name	OJ990226_02.9819.C13.o1.gp	Method	AAT/GAP
Start	10257	End	11227
GI	2428655	Score	769
Exons	10257..10376, 10499..10582, 10666..10799, 11122..11227		
GI Descrip.	1514643/emb\|CAA94437\| 2.0e-44 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38548	Strand	+
Start	442	End	17361
Name	OJ990226_02.9819.C13.o2.gp	Method	AAT/GAP
Start	12023	End	12584
GI	5056010	Score	862
Exons	12023..12071, 12172..12584		
GI Descrip.	1514643/emb\|CAA94437\| 8.0e-28 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	6367	End	10285
GI	none	Score	65
Exons	6367..6498, 9306..9389, 9320..9388, 9526..9831, 9533..9889, 10086..10262, 10127..10285		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o3.tm	Method	TBLASTX:Maize
Start	6985	End	7375
GI	none	Score	140
Exons	6985..7080, 6986..7087, 7144..7374, 7151..7375		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	7184	End	12447
GI	none	Score	59
Exons	7184..7261, 7271..7354, 8204..8269, 8581..8679, 8592..8699, 8600..8716, 8613..8681, 8810..8938, 9303..9401, 9314..9400, 9527..9889, 9535..9852, 10083..10376, 10084..10362, 10086..10379, 10139..10378, 10496..10582, 10498..10587, 10657..10800, 10674..10799, 11064..11264, 11117..11350, 11117..11341, 11137..11343, 11154..11363, 11481..11588, 11498..11599, 11584..11658, 11592..11657, 11791..12054, 11813..12055, 11814..12068, 12143..12262, 12168..12254, 12171..12269, 12172..12270, 12184..12252, 12285..12428, 12289..12447		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o2.tc	Method	TBLASTX:Cress
Start	7187	End	12429
GI	none	Score	55
Exons	7187..7261, 7271..7354, 8604..8681, 10286..10393, 10287..10379, 10496..10582, 10507..10581, 10657..10800, 11117..11350, 11143..11349, 11481..11588, 11584..11658, 11814..12068, 11816..12064, 11961..12083, 12164..12259, 12168..12260, 12171..12260, 12172..12270, 12175..12297, 12283..12429, 12327..12428		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	7202	End	11370
GI	none	Score	38
Exons	7202..7261, 7271..7354, 7334..7372, 10247..10375, 10248..10379, 10248..10376, 10489..10587, 10496..10582, 10657..10800, 10663..10779, 11117..11341, 11140..11370		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o2.ts	Method	TBLASTX:Soybean
Start	7355	End	7828
GI	none	Score	151
Exons	7355..7462, 7360..7473, 7538..7828		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o4.tc	Method	TBLASTX:Cress
Start	7355	End	7663
GI	none	Score	152
Exons	7355..7462, 7355..7462, 7369..7473, 7535..7642, 7538..7663		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o3.tc	Method	TBLASTX:Cress
Start	7763	End	8209
GI	none	Score	73
Exons	7763..7828, 7922..8209, 8011..8208		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o3.ts	Method	TBLASTX:Soybean
Start	8039	End	8203
GI	none	Score	185
Exons	8039..8203, 8041..8199		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o2.tw	Method	TBLASTX:Wheat
Start	8075	End	8636
GI	none	Score	222
Exons	8075..8269, 8083..8259, 8376..8486, 8378..8509, 8601..8636, 8601..8636		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	8613	End	12435
GI	none	Score	69
Exons	8613..8681, 11511..11588, 11513..11599, 11584..11658, 11589..11657, 11814..12068, 11814..12047, 11816..12067, 12172..12435, 12177..12428		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	9405	End	10192

GI	none	Score	44
Exons	9405..9431, 9527..9889, 9535..9873, 10085..10192, 10086..10190		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o4.tm	Method	TBLASTX:Maize
Start	10223	End	11352
GI	none	Score	191
Exons	10223..10378, 10224..10379, 10459..10581, 10496..10582, 10657..10800, 10671..10793, 10679..10849, 11095..11334, 11117..11347, 11117..11347, 11137..11352		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o3.tw	Method	TBLASTX:Wheat
Start	11814	End	12264
GI	none	Score	169
Exons	11814..12068, 11858..11989, 12142..12258, 12174..12257, 12184..12264		

Seq. No.	18377	Seq. ID	OJ990226_02.9819.C13
Gene No.	38549	Strand	-
Start	19681	End	21524
Name	OJ990226_02.9819.C13.o3.gs	Method	GENSCAN
Start	19681	End	21524
GI	none	Score	.74
Exons	19681..19766, 19807..19863, 21488..21524		

Seq. No.	18378	Seq. ID	OJ990226_02.9819.C15
Gene No.	38550	Strand	+
Start	183	End	293
Name	OJ990226_02.9819.C15.o1.gs	Method	GENSCAN
Start	183	End	293
GI	none	Score	.85
Exons	183..293		

Seq. No.	18379	Seq. ID	OJ990226_02.9819.C16
Gene No.	38551	Strand	-
Start	914	End	1096
Name	OJ990226_02.9819.C16.o1.gs	Method	GENSCAN
Start	914	End	1096
GI	none	Score	.77
Exons	914..999, 1040..1096		

Seq. No.	18380	Seq. ID	OJ990226_02.9819.C18
Gene No.	38552	Strand	+
Start	1	End	1033
Name	OJ990226_02.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	1033
GI	1514643	Score	371
Exons	1..427, 1013..1033		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	18380	Seq. ID	OJ990226_02.9819.C18
Gene No.	38552	Strand	+

Start	1	End	1033
Name	OJ990226_02.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	40	End	348
GI	none	Score	415
Exons	40..348, 47..337		

Seq. No.	18380	Seq. ID	OJ990226_02.9819.C18
Gene No.	38552	Strand	+
Start	1	End	1033
Name	OJ990226_02.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	40	End	340
GI	none	Score	426
Exons	40..339, 47..340		

Seq. No.	18380	Seq. ID	OJ990226_02.9819.C18
Gene No.	38552	Strand	+
Start	1	End	1033
Name	OJ990226_02.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	46	End	346
GI	none	Score	397
Exons	46..345, 47..346		

Seq. No.	18381	Seq. ID	OJ990226_02.9819.C19
Gene No.	38553	Strand	-
Start	243	End	553
Name	OJ990226_02.9819.C19.o1.gs	Method	GENSCAN
Start	243	End	553
GI	none	Score	.81
Exons	243..553		

Seq. No.	18382	Seq. ID	OJ990226_02.9819.C22
Gene No.	38554	Strand	+
Start	340	End	703
Name	OJ990226_02.9819.C22.o1.gs	Method	GENSCAN
Start	340	End	703
GI	none	Score	.6
Exons	340..703		

Seq. No.	18383	Seq. ID	OJ990226_02.9819.C24
Gene No.	38555	Strand	-
Start	257	End	341
Name	OJ990226_02.9819.C24.o1.gs	Method	GENSCAN
Start	257	End	341
GI	none	Score	.55
Exons	257..341		

Seq. No.	18384	Seq. ID	OJ990226_02.9819.C25
Gene No.	38556	Strand	+
Start	1	End	849
Name	OJ990226_02.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	849
GI	1514643	Score	456
Exons	1..331, 454..539, 620..849		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	18384	Seq. ID	OJ990226_02.9819.C25
Gene No.	38556	Strand	+

Start	1	End	849
Name	OJ990226_02.9819.C25.o1.tc	Method	TBLASTX:Cress
Start	38	End	673
GI	none	Score	396
Exons	38..331, 41..334, 97..342, 400..534, 608..673		

Seq. No.	18384	Seq. ID	OJ990226_02.9819.C25
Gene No.	38556	Strand	+
Start	1	End	849
Name	OJ990226_02.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	38	End	676
GI	none	Score	394
Exons	38..331, 41..334, 94..333, 451..534, 453..533, 608..676		

Seq. No.	18384	Seq. ID	OJ990226_02.9819.C25
Gene No.	38556	Strand	+
Start	1	End	849
Name	OJ990226_02.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	44	End	285
GI	none	Score	315
Exons	44..283, 82..285		

Seq. No.	18384	Seq. ID	OJ990226_02.9819.C25
Gene No.	38556	Strand	+
Start	1	End	849
Name	OJ990226_02.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	201	End	676
GI	none	Score	78
Exons	201..329, 202..330, 203..334, 203..331, 451..534, 608..676		

Seq. No.	18384	Seq. ID	OJ990226_02.9819.C25
Gene No.	38556	Strand	+
Start	1	End	849
Name	OJ990226_02.9819.C25.o1.gp	Method	AAT/GAP
Start	212	End	753
GI	2428655	Score	517
Exons	212..331, 454..538, 620..753		
GI Descrip.	1514643/emb\|CAA94437\| 2.0e-44 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	18385	Seq. ID	OJ990226_02.9819.C26
Gene No.	38557	Strand	-
Start	157	End	471
Name	OJ990226_02.9819.C26.o1.np	Method	AAT/NAP
Start	157	End	471
GI	2353792	Score	153
Exons	157..471		
GI Descrip.	(AF016541) beta-galactosidase alpha peptide [Cloning vector pUC-JK]		

Seq. No.	18386	Seq. ID	OJ990716_06.9819.C3
Gene No.	38558	Strand	-
Start	470	End	5901
Name	OJ990716_06.9819.C3.o1.gs	Method	GENSCAN
Start	470	End	5411
GI	none	Score	.86
Exons	470..535, 885..965, 1077..1285, 1438..1534, 1939..2069,		

2695..2725, 2792..2881, 2958..3063, 3157..3227, 3305..3462, 4019..4229, 4941..5411

Seq. No.	18386	Seq. ID	OJ990716_06.9819.C3
Gene No.	38558	Strand	-
Start	470	End	5901
Name	OJ990716_06.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	868	End	1254
GI	none	Score	88
Exons	868..960, 882..965, 883..963, 884..964, 1080..1226, 1080..1226, 1216..1254		

Seq. No.	18386	Seq. ID	OJ990716_06.9819.C3
Gene No.	38558	Strand	-
Start	470	End	5901
Name	OJ990716_06.9819.C3.o1.gp	Method	AAT/GAP
Start	894	End	2070
GI	2800109	Score	773
Exons	894..965, 1111..1169, 1201..1285, 1438..1534, 1803..1856, 1939..2070		

Seq. No.	18386	Seq. ID	OJ990716_06.9819.C3
Gene No.	38558	Strand	-
Start	470	End	5901
Name	OJ990716_06.9819.C3.o1.np	Method	AAT/NAP
Start	1122	End	5901
GI	6759450	Score	1250
Exons	1122..1285, 1438..1534, 1803..1856, 1939..2037, 2112..2533, 2686..2881, 2958..3063, 3157..3227, 3302..3462, 4019..4229, 4941..5411, 5728..5901		
GI Descrip.	(AL137189) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18386	Seq. ID	OJ990716_06.9819.C3
Gene No.	38558	Strand	-
Start	470	End	5901
Name	OJ990716_06.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	3023	End	3462
GI	none	Score	44
Exons	3023..3064, 3024..3065, 3026..3067, 3031..3069, 3154..3228, 3156..3227, 3158..3253, 3167..3304, 3290..3457, 3302..3460, 3310..3462		

Seq. No.	18387	Seq. ID	OJ990716_06.9819.C4
Gene No.	38559	Strand	+
Start	1790	End	2190
Name	OJ990716_06.9819.C4.o1.gp	Method	AAT/GAP
Start	1790	End	2190
GI	none	Score	798
Exons	1790..2190		

Seq. No.	18387	Seq. ID	OJ990716_06.9819.C4
Gene No.	38560	Strand	-
Start	2298	End	3540
Name	OJ990716_06.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	2270	End	3406
GI	none	Score	144
Exons	2270..2383, 2301..2501, 2302..2427, 2304..2510, 2493..2753,		

2505..2687, 2569..2742, 3180..3254, 3182..3406, 3183..3260, 3309..3383

Seq. No.	18387	Seq. ID	OJ990716_06.9819.C4
Gene No.	38560	Strand	-
Start	2298	End	3540
Name	OJ990716_06.9819.C4.o1.gs	Method	GENSCAN
Start	2298	End	3346
GI	none	Score	.85
Exons	2298..2751, 3032..3099, 3182..3346		

Seq. No.	18387	Seq. ID	OJ990716_06.9819.C4
Gene No.	38560	Strand	-
Start	2298	End	3540
Name	OJ990716_06.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	2299	End	2750
GI	none	Score	71
Exons	2299..2490, 2307..2519, 2484..2714, 2572..2715, 2712..2750		

Seq. No.	18387	Seq. ID	OJ990716_06.9819.C4
Gene No.	38560	Strand	-
Start	2298	End	3540
Name	OJ990716_06.9819.C4.o1.np	Method	AAT/NAP
Start	2304	End	3540
GI	3242704	Score	517
Exons	2304..2788, 3066..3099, 3182..3540		
GI Descrip.	(AC003040) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18387	Seq. ID	OJ990716_06.9819.C4
Gene No.	38560	Strand	-
Start	2298	End	3540
Name	OJ990716_06.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	3056	End	3397
GI	none	Score	53
Exons	3056..3100, 3058..3102, 3067..3102, 3176..3274, 3179..3397, 3180..3380		

Seq. No.	18387	Seq. ID	OJ990716_06.9819.C4
Gene No.	38560	Strand	-
Start	2298	End	3540
Name	OJ990716_06.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	3179	End	3406
GI	none	Score	51
Exons	3179..3406, 3195..3254, 3309..3377		

Seq. No.	18388	Seq. ID	OJ990716_06.9819.C5
Gene No.	38561	Strand	-
Start	426	End	3969
Name	OJ990716_06.9819.C5.o1.np	Method	AAT/NAP
Start	426	End	3759
GI	1170639	Score	240
Exons	426..636, 1074..1209, 1319..1409, 1734..1831, 2075..2182, 2350..2431, 2516..2623, 2790..2912, 3439..3759		
GI Descrip.	3-DEOXY-D-MANNO-OCTULOSONIC-ACID TRANSFERASE (KDO TRANSFERASE) gi\|1073787\|pir\|\|F64084 3-deoxy-d-manno-octulosonic-acid transferase (kdtA) homolog - Haemophilus influenzae (strain Rd KW20) gi\|1573651 (U32748) 3-deoxy-d-manno-octulosonic-acid		

transferase (kdtA) [Haemophilus influenzae Rd]

Seq. No.	18388	Seq. ID	OJ990716_06.9819.C5
Gene No.	38561	Strand	-
Start	426	End	3969
Name	OJ990716_06.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	945	End	1413
GI	none	Score	60
Exons	945..1010, 946..1002, 1080..1229, 1088..1231, 1089..1226, 1126..1239, 1284..1406, 1318..1413, 1319..1384, 1324..1404		

Seq. No.	18388	Seq. ID	OJ990716_06.9819.C5
Gene No.	38561	Strand	-
Start	426	End	3969
Name	OJ990716_06.9819.C5.o1.gs	Method	GENSCAN
Start	1327	End	3969
GI	none	Score	.57
Exons	1327..1409, 1673..1831, 2075..2191, 2350..2428, 2790..2881, 3550..3800, 3893..3969		

Seq. No.	18389	Seq. ID	OJ990716_06.9819.C6
Gene No.	38562	Strand	-
Start	1	End	5569
Name	OJ990716_06.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	5346
GI	6579208	Score	578
Exons	1..123, 227..428, 541..638, 2638..2781, 5261..5346		
GI Descrip.	(AC011438) T23G18.9 [Arabidopsis thaliana]		

Seq. No.	18389	Seq. ID	OJ990716_06.9819.C6
Gene No.	38562	Strand	-
Start	1	End	5569
Name	OJ990716_06.9819.C6.o1.gp	Method	AAT/GAP
Start	2718	End	5569
GI	60013_1.R1084	Score	829
Exons	2718..2868, 5261..5569		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	18389	Seq. ID	OJ990716_06.9819.C6
Gene No.	38563	Strand	-
Start	9590	End	10934
Name	OJ990716_06.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2890
GI	none	Score	78
Exons	2..82, 9..80, 95..139, 240..434, 241..429, 518..640, 541..639, 2636..2890, 2637..2879		

Seq. No.	18389	Seq. ID	OJ990716_06.9819.C6
Gene No.	38563	Strand	-
Start	9590	End	10934
Name	OJ990716_06.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	33	End	636
GI	none	Score	49
Exons	33..77, 35..79, 93..125, 95..139, 217..429, 222..434, 517..636		

Seq. No.	18389	Seq. ID	OJ990716_06.9819.C6

Gene No.	38563	Strand	-
Start	9590	End	10934
Name	OJ990716_06.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	2639	End	2890
GI	none	Score	247
Exons	2639..2890, 2652..2879		

Seq. No.	18389	Seq. ID	OJ990716_06.9819.C6
Gene No.	38563	Strand	-
Start	9590	End	10934
Name	OJ990716_06.9819.C6.o2.np	Method	AAT/NAP
Start	9590	End	10934
GI	6630699	Score	98
Exons	9590..9684, 10914..10934		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18390	Seq. ID	OJ990716_06.9819.C7
Gene No.	38564	Strand	+
Start	1071	End	1518
Name	OJ990716_06.9819.C7.o1.gs	Method	GENSCAN
Start	1071	End	1518
GI	none	Score	.4
Exons	1071..1195, 1362..1518		

Seq. No.	18390	Seq. ID	OJ990716_06.9819.C7
Gene No.	38565	Strand	+
Start	3018	End	5572
Name	OJ990716_06.9819.C7.o2.gs	Method	GENSCAN
Start	3018	End	5488
GI	none	Score	.9
Exons	3018..3471, 3555..3652, 4039..4139, 4950..5085, 5177..5227, 5333..5488		

Seq. No.	18390	Seq. ID	OJ990716_06.9819.C7
Gene No.	38565	Strand	+
Start	3018	End	5572
Name	OJ990716_06.9819.C7.o1.np	Method	AAT/NAP
Start	3021	End	5572
GI	3860251	Score	982
Exons	3021..3652, 3740..3910, 4036..4139, 4950..5085, 5177..5227, 5333..5572		
GI Descrip.	(AC005824) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	18390	Seq. ID	OJ990716_06.9819.C7
Gene No.	38565	Strand	+
Start	3018	End	5572
Name	OJ990716_06.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	3554	End	3862
GI	none	Score	125
Exons	3554..3670, 3571..3645, 3743..3862, 3754..3861		

Seq. No.	18390	Seq. ID	OJ990716_06.9819.C7
Gene No.	38565	Strand	+
Start	3018	End	5572
Name	OJ990716_06.9819.C7.o1.tm	Method	TBLASTX:Maize

Start	3764	End	5571
GI	none	Score	35
Exons	3764..3790, 3790..3891, 3791..3910, 4021..4140, 4044..4142, 4939..5085, 4944..5045, 5171..5230, 5177..5251, 5332..5478, 5351..5473, 5356..5478, 5479..5571		

Seq. No.	18390	Seq. ID	OJ990716_06.9819.C7
Gene No.	38565	Strand	+
Start	3018	End	5572
Name	OJ990716_06.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	5177	End	5571
GI	none	Score	77
Exons	5177..5248, 5332..5475, 5351..5473, 5478..5570, 5479..5571		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38566	Strand	+
Start	1	End	2527
Name	OJ990716_06.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	1464
GI	3860251	Score	656
Exons	1..73, 180..469, 1214..1464		
GI Descrip.	(AC005824) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38566	Strand	+
Start	1	End	2527
Name	OJ990716_06.9819.C8.o1.gs	Method	GENSCAN
Start	16	End	2527
GI	none	Score	.72
Exons	16..73, 183..469, 1246..1442, 2401..2527		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38567	Strand	+
Start	8972	End	10498
Name	OJ990716_06.9819.C8.o3.gs	Method	GENSCAN
Start	8972	End	10498
GI	none	Score	.57
Exons	8972..9090, 9163..9277, 10340..10498		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	1	End	391
GI	none	Score	73
Exons	1..81, 3..77, 176..391, 178..375		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	181	End	445
GI	none	Score	158
Exons	181..330, 182..328, 329..391, 334..375, 383..445		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-

Start	1397	End	9086
Name	OJ990716_06.9819.C8.o4.tm	Method	TBLASTX:Maize
Start	1240	End	1467
GI	none	Score	175
Exons	1240..1428, 1245..1355, 1437..1460, 1438..1467		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o1.gp	Method	AAT/GAP
Start	1397	End	1864
GI	uC-osflcyp132f03a1	Score	908
Exons	1397..1864		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o2.np	Method	AAT/NAP
Start	1576	End	8335
GI	5852181	Score	3432
Exons	1576..1654, 3477..4445, 4844..5063, 5209..5261, 5340..5641, 5727..5890, 5917..6067, 6927..7031, 7975..8162, 8242..8335		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o2.gs	Method	GENSCAN
Start	3123	End	8335
GI	none	Score	.63
Exons	3123..4445, 4844..5123, 5209..5552, 5564..5641, 5727..5890, 5899..6067, 6927..7031, 7975..8162, 8242..8335		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o2.gp	Method	AAT/GAP
Start	3228	End	3561
GI	701114	Score	653
Exons	3228..3561		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	3552	End	4085
GI	none	Score	126
Exons	3552..3680, 3783..3953, 3837..3953, 3842..3955, 3844..3996, 3961..4044, 3963..4085, 4051..4080		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086

Name	OJ990716_06.9819.C8.o3.gp	Method	AAT/GAP
Start	6624	End	9086
GI	102_6.R1084	Score	1663
Exons	6624..7031, 7975..8162, 8242..8379, 8941..9086		
GI Descrip.	'2911068/emb\|CAA17530.1\| 1.0e-78 (AL021960) G10-like protein [Arabidopsis thaliana]'		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	6803	End	8143
GI	none	Score	39
Exons	6803..6847, 6871..7041, 6875..7042, 6876..7034, 6883..7041, 7951..8142, 7976..8143		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	6872	End	8350
GI	none	Score	171
Exons	6872..7033, 6876..7034, 6879..7034, 6880..7041, 7951..8163, 7969..8160, 7976..8167, 8231..8350, 8243..8350		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	6874	End	8339
GI	none	Score	221
Exons	6874..7041, 6876..7034, 7951..8163, 7969..8157, 7976..8167, 8240..8335, 8243..8335, 8244..8339		

Seq. No.	18391	Seq. ID	OJ990716_06.9819.C8
Gene No.	38568	Strand	-
Start	1397	End	9086
Name	OJ990716_06.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	6876	End	8341
GI	none	Score	169
Exons	6876..7028, 6880..7029, 7951..8061, 7976..8059, 7977..8066, 8063..8167, 8065..8163, 8234..8341, 8235..8339		

Seq. No.	18392	Seq. ID	OJ990716_06.9819.C9
Gene No.	38569	Strand	+
Start	47	End	3047
Name	OJ990716_06.9819.C9.o1.gs	Method	GENSCAN
Start	47	End	2968
GI	none	Score	.83
Exons	47..173, 396..729, 844..1003, 2017..2171, 2248..2337, 2903..2968		

Seq. No.	18392	Seq. ID	OJ990716_06.9819.C9
Gene No.	38569	Strand	+
Start	47	End	3047
Name	OJ990716_06.9819.C9.o1.np	Method	AAT/NAP
Start	162	End	3047
GI	5830509	Score	247

Exons	162..311, 472..729, 844..1007, 1096..1212, 1782..1885, 2017..2079, 3002..3047		
GI Descrip.	(AL110506) WD repeat protein [Schizosaccharomyces pombe]		
Seq. No.	18392	Seq. ID	OJ990716_06.9819.C9
Gene No.	38569	Strand	+
Start	47	End	3047
Name	OJ990716_06.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	882	End	1198
GI	none	Score	156
Exons	882..1001, 883..1017, 886..1002, 887..1021, 1076..1198, 1090..1197		
Seq. No.	18392	Seq. ID	OJ990716_06.9819.C9
Gene No.	38569	Strand	+
Start	47	End	3047
Name	OJ990716_06.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	1060	End	2095
GI	none	Score	172
Exons	1060..1224, 1063..1245, 1091..1243, 1692..1883, 1693..1884, 1694..1885, 1704..1889, 1993..2082, 2001..2093, 2006..2095		
Seq. No.	18392	Seq. ID	OJ990716_06.9819.C9
Gene No.	38569	Strand	+
Start	47	End	3047
Name	OJ990716_06.9819.C9.o2.np	Method	AAT/NAP
Start	1795	End	2702
GI	6693030	Score	382
Exons	1795..1885, 2017..2337, 2420..2493, 2663..2702		
GI Descrip.	(AC012375) T22C5.29 [Arabidopsis thaliana]		
Seq. No.	18392	Seq. ID	OJ990716_06.9819.C9
Gene No.	38569	Strand	+
Start	47	End	3047
Name	OJ990716_06.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	1807	End	2319
GI	none	Score	109
Exons	1807..1887, 1812..1892, 1815..1889, 2001..2171, 2015..2158, 2235..2315, 2248..2319		
Seq. No.	18393	Seq. ID	OJ990716_06.9819.C10
Gene No.	38570	Strand	-
Start	1	End	2067
Name	OJ990716_06.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	1912
GI	4512109	Score	5
Exons	1..54, 877..944, 1789..1912		
GI Descrip.	(AF125185) origin recognition complex subunit 4-related protein Orp4p [Schizosaccharomyces pombe] gi\|6723967\|emb\|CAB66441.1\| (AL136535) origin recognition complex subunit 4-related protein orp4p [Schizosaccharomyces pombe]		
Seq. No.	18393	Seq. ID	OJ990716_06.9819.C10
Gene No.	38570	Strand	-
Start	1	End	2067
Name	OJ990716_06.9819.C10.o1.gs	Method	GENSCAN
Start	116	End	2067

GI	none	Score	.49
Exons	116..224, 314..2067		

Seq. No.	18394	Seq. ID	OJ990716_06.9819.C11
Gene No.	38571	Strand	-
Start	317	End	546
Name	OJ990716_06.9819.C11.o1.gp	Method	AAT/GAP
Start	317	End	546
GI	none	Score	360
Exons	317..546		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38572	Strand	-
Start	4422	End	9101
Name	OJ990716_06.9819.C12.o2.gs	Method	GENSCAN
Start	4422	End	9101
GI	none	Score	.79
Exons	4422..4477, 4890..5155, 5198..5253, 5471..5618, 5671..5931, 6638..6797, 7403..7448, 7581..9101		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38572	Strand	-
Start	4422	End	9101
Name	OJ990716_06.9819.C12.o1.np	Method	AAT/NAP
Start	5704	End	8587
GI	3608155	Score	149
Exons	5704..5992, 8523..8587		
GI Descrip.	(AC005314) putative pre-mRNA splicing factor RNA helicase [Arabidopsis thaliana]		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38572	Strand	-
Start	4422	End	9101
Name	OJ990716_06.9819.C12.o2.np	Method	AAT/NAP
Start	7560	End	9038
GI	3860263	Score	1395
Exons	7560..9038		
GI Descrip.	(AC005824) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o4.tc	Method	TBLASTX:Cress
Start	5703	End	5919
GI	none	Score	57
Exons	5703..5786, 5704..5787, 5796..5918, 5797..5919		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	5703	End	5921
GI	none	Score	61
Exons	5703..5786, 5704..5787, 5799..5921, 5800..5913		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-

Start	10530	End	18097
Name	OJ990716_06.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	7581	End	8983
GI	none	Score	63
Exons	7581..7649, 7582..7629, 7656..8024, 7657..8022, 8043..8282, 8044..8256, 8250..8537, 8320..8538, 8553..8948, 8575..8895, 8676..8948, 8960..8983		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	7605	End	7826
GI	none	Score	295
Exons	7605..7826, 7606..7824		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	7638	End	7989
GI	none	Score	168
Exons	7638..7838, 7638..7988, 7639..7989		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	7653	End	8024
GI	none	Score	150
Exons	7653..8024, 7666..8013		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	7842	End	8270
GI	none	Score	249
Exons	7842..8030, 7843..8031, 8040..8270, 8044..8268		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	8044	End	8453
GI	none	Score	65
Exons	8044..8181, 8064..8249, 8229..8453, 8320..8442		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	8250	End	17770
GI	none	Score	189
Exons	8250..8543, 8251..8547, 8347..8547, 17717..17770		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12

Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	8271	End	8539
GI	none	Score	83
Exons	8271..8537, 8283..8363, 8323..8538, 8495..8539		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o3.tc	Method	TBLASTX:Cress
Start	8454	End	8810
GI	none	Score	87
Exons	8454..8546, 8662..8799, 8667..8810		

Seq. No.	18395	Seq. ID	OJ990716_06.9819.C12
Gene No.	38573	Strand	-
Start	10530	End	18097
Name	OJ990716_06.9819.C12.o3.gs	Method	GENSCAN
Start	10530	End	18097
GI	none	Score	.6
Exons	10530..10628, 12011..12107, 12228..12432, 12513..12591, 12845..12922, 13612..13660, 15640..15796, 16347..16409, 17354..17473, 17653..17809, 18029..18097		

Seq. No.	18396	Seq. ID	OJ990716_06.9819.C13
Gene No.	38574	Strand	+
Start	1	End	6283
Name	OJ990716_06.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	6283
GI	5042454	Score	249
Exons	1..41, 5801..5976, 6230..6283		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	18396	Seq. ID	OJ990716_06.9819.C13
Gene No.	38574	Strand	+
Start	1	End	6283
Name	OJ990716_06.9819.C13.o1.gs	Method	GENSCAN
Start	741	End	1373
GI	none	Score	.55
Exons	741..765, 1357..1373		

Seq. No.	18396	Seq. ID	OJ990716_06.9819.C13
Gene No.	38575	Strand	-
Start	9419	End	10758
Name	OJ990716_06.9819.C13.o2.np	Method	AAT/NAP
Start	9419	End	10758
GI	6143870	Score	230
Exons	9419..9541, 9775..9810, 9914..9978, 10090..10168, 10447..10529, 10725..10758		
GI Descrip.	(AC010927) unknown protein [Arabidopsis thaliana]		

Seq. No.	18396	Seq. ID	OJ990716_06.9819.C13
Gene No.	38575	Strand	-
Start	9419	End	10758
Name	OJ990716_06.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	9459	End	10525

GI	none	Score	68
Exons	9459..9503, 9772..9840, 9772..9825, 9850..9981, 9905..9982, 9918..9983, 10081..10191, 10086..10211, 10089..10163, 10091..10174, 10444..10524, 10445..10525, 10447..10524		

Seq. No.	18397	Seq. ID	OJ990716_06.9819.C14
Gene No.	38576	Strand	-
Start	62	End	2438
Name	OJ990716_06.9819.C14.o1.gs	Method	GENSCAN
Start	62	End	2438
GI	none	Score	.48
Exons	62..502, 2202..2438		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o6.tm	Method	TBLASTX:Maize
Start	95	End	352
GI	none	Score	78
Exons	95..139, 97..135, 227..352, 240..347		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	581	End	937
GI	none	Score	246
Exons	581..742, 589..744, 590..835, 881..937		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	623	End	987
GI	none	Score	238
Exons	623..814, 626..814, 627..815, 806..985, 826..987, 826..984		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o3.tw	Method	TBLASTX:Wheat
Start	933	End	2562
GI	none	Score	198
Exons	933..1091, 937..1092, 938..1093, 1564..1773, 1655..1771, 2432..2548, 2451..2561, 2452..2562		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	1654	End	2648
GI	none	Score	96
Exons	1654..1737, 1655..1735, 1727..1771, 2451..2534, 2452..2646, 2577..2648		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+

Start	5097	End	7924
Name	OJ990716_06.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	2484	End	2679
GI	none	Score	178
Exons	2484..2675, 2484..2648, 2485..2679, 2488..2673		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o1.np	Method	AAT/NAP
Start	5097	End	7924
GI	2586082	Score	2554
Exons	5097..7924		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	5186	End	5621
GI	none	Score	101
Exons	5186..5269, 5187..5270, 5316..5621, 5325..5414, 5468..5593		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o4.tw	Method	TBLASTX:Wheat
Start	5442	End	5741
GI	none	Score	228
Exons	5442..5741, 5483..5593		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	6014	End	6395
GI	none	Score	401
Exons	6014..6394, 6030..6395		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o5.tm	Method	TBLASTX:Maize
Start	6105	End	6395
GI	none	Score	245
Exons	6105..6395, 6113..6394		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o2.tc	Method	TBLASTX:Cress
Start	6369	End	6779
GI	none	Score	41
Exons	6369..6422, 6492..6557, 6567..6701, 6702..6779		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+

Start	5097	End	7924
Name	OJ990716_06.9819.C15.o4.ts	Method	TBLASTX:Soybean
Start	6480	End	6893
GI	none	Score	91
Exons	6480..6581, 6567..6698, 6714..6893		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	6884	End	7349
GI	none	Score	344
Exons	6884..7168, 6888..7349, 7208..7348		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	6915	End	7319
GI	none	Score	244
Exons	6915..7319		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	6992	End	7390
GI	none	Score	273
Exons	6992..7390, 7008..7361		

Seq. No.	18398	Seq. ID	OJ990716_06.9819.C15
Gene No.	38577	Strand	+
Start	5097	End	7924
Name	OJ990716_06.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	7001	End	7325
GI	none	Score	264
Exons	7001..7324, 7008..7325		

Seq. No.	18399	Seq. ID	OJ990716_06.9819.C16
Gene No.	38578	Strand	+
Start	1	End	865
Name	OJ990716_06.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	865
GI	2586082	Score	1228
Exons	1..865		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	18399	Seq. ID	OJ990716_06.9819.C16
Gene No.	38579	Strand	+
Start	1937	End	2575
Name	OJ990716_06.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	17	End	454
GI	none	Score	443
Exons	17..454, 17..163, 40..339, 406..453		

Seq. No.	18399	Seq. ID	OJ990716_06.9819.C16
Gene No.	38579	Strand	+

Start	1937	End	2575
Name	OJ990716_06.9819.C16.o2.tm	Method	TBLASTX:Maize
Start	149	End	382
GI	none	Score	302
Exons	149..382, 154..348, 194..349		

Seq. No.	18399	Seq. ID	OJ990716_06.9819.C16
Gene No.	38579	Strand	+
Start	1937	End	2575
Name	OJ990716_06.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	218	End	814
GI	none	Score	510
Exons	218..814, 220..345, 412..813		

Seq. No.	18399	Seq. ID	OJ990716_06.9819.C16
Gene No.	38579	Strand	+
Start	1937	End	2575
Name	OJ990716_06.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	385	End	808
GI	none	Score	143
Exons	385..519, 386..514, 520..759, 521..808		

Seq. No.	18399	Seq. ID	OJ990716_06.9819.C16
Gene No.	38579	Strand	+
Start	1937	End	2575
Name	OJ990716_06.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	416	End	841
GI	none	Score	59
Exons	416..481, 490..606, 491..607, 647..841		

Seq. No.	18399	Seq. ID	OJ990716_06.9819.C16
Gene No.	38579	Strand	+
Start	1937	End	2575
Name	OJ990716_06.9819.C16.o1.gs	Method	GENSCAN
Start	1937	End	2551
GI	none	Score	.95
Exons	1937..2551		

Seq. No.	18399	Seq. ID	OJ990716_06.9819.C16
Gene No.	38579	Strand	+
Start	1937	End	2575
Name	OJ990716_06.9819.C16.o2.np	Method	AAT/NAP
Start	2417	End	2575
GI	6453384	Score	96
Exons	2417..2575		
GI Descrip.	(AJ251053) alpha 2,6-sialyltransferase [Homo sapiens]		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38580	Strand	+
Start	14996	End	22219
Name	OJ990716_06.9819.C17.o3.gs	Method	GENSCAN
Start	14996	End	22082
GI	none	Score	.76
Exons	14996..15168, 15422..15594, 15756..15860, 16135..16173, 20130..20277, 20449..20486, 20750..20970, 21067..21278, 21362..21626, 21774..22082		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38580	Strand	+
Start	14996	End	22219
Name	OJ990716_06.9819.C17.o3.np	Method	AAT/NAP
Start	15895	End	20393
GI	4539658	Score	92
Exons	15895..15918, 17396..17460, 17501..17586, 20346..20393		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38580	Strand	+
Start	14996	End	22219
Name	OJ990716_06.9819.C17.o5.np	Method	AAT/NAP
Start	20047	End	22099
GI	4678347	Score	779
Exons	20047..20106, 20686..20982, 21070..21278, 21362..21628, 21779..22099		
GI Descrip.	(AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38580	Strand	+
Start	14996	End	22219
Name	OJ990716_06.9819.C17.o1.gp	Method	AAT/GAP
Start	21818	End	22219
GI	85449_1.R1084	Score	765
Exons	21818..22219		
GI Descrip.	'773414 2.0e-26 (U23751) beta galactosidase [Cloning vector pBBR1MCS-2] >gi_833819 (U25059) LacZ alpha peptide [Cloning vector pBBR1MCS-3] >gi_833823 (U25060) LacZ alpha peptide [Cloning vector pBBR1MCS-4] >gi_833827 (U25061) LacZ alpha peptide [Cloning vector pBBR1MCS-5]'		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38581	Strand	-
Start	2541	End	4406
Name	OJ990716_06.9819.C17.o1.gs	Method	GENSCAN
Start	2541	End	4250
GI	none	Score	.52
Exons	2541..2614, 3427..3548, 4129..4250		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38581	Strand	-
Start	2541	End	4406
Name	OJ990716_06.9819.C17.o1.np	Method	AAT/NAP
Start	3896	End	4406
GI	6721512	Score	63
Exons	3896..3940, 4055..4086, 4129..4260, 4288..4406		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38582	Strand	-
Start	12315	End	15532
Name	OJ990716_06.9819.C17.o2.np	Method	AAT/NAP
Start	12315	End	15532
GI	4678280	Score	655
Exons	12315..12765, 13225..13414, 15421..15532		

GI Descrip. (AL049660) zinc finger-like protein [Arabidopsis thaliana]

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38583	Strand	-
Start	17252	End	18602
Name	OJ990716_06.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	12418	End	13323
GI	none	Score	303
Exons	12418..12756, 12419..12760, 13222..13323, 13238..13318		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38583	Strand	-
Start	17252	End	18602
Name	OJ990716_06.9819.C17.o3.tm	Method	TBLASTX:Maize
Start	12619	End	13345
GI	none	Score	173
Exons	12619..12756, 12620..12760, 13206..13322, 13222..13341, 13229..13345		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38583	Strand	-
Start	17252	End	18602
Name	OJ990716_06.9819.C17.o4.np	Method	AAT/NAP
Start	17252	End	18602
GI	5734617	Score	140
Exons	17252..17420, 18370..18602		

GI Descrip. (AP000391) hypothetical protein [Oryza sativa]

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38584	Strand	
Start	20709	End	21545
Name	OJ990716_06.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	20709	End	21545
GI	none	Score	61
Exons	20709..20762, 20713..20763, 20827..20970, 20832..20972, 21047..21139, 21064..21279, 21103..21279, 21218..21280, 21359..21514, 21360..21512, 21395..21520, 21498..21545		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38584	Strand	
Start	20709	End	21545
Name	OJ990716_06.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	20731	End	21521
GI	none	Score	144
Exons	20731..21009, 20835..20945, 21067..21279, 21108..21143, 21210..21278, 21359..21406, 21360..21407, 21399..21521		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38584	Strand	
Start	20709	End	21545
Name	OJ990716_06.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	20824	End	21279
GI	none	Score	157
Exons	20824..20943, 20826..20987, 20827..20964, 21064..21279, 21108..21146, 21210..21272		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17

Gene No.	38584	Strand	
Start	20709	End	21545
Name	OJ990716_06.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	20830	End	21404
GI	none	Score	131
Exons	20830..20967, 20837..20971, 20838..20966, 21065..21118, 21065..21139, 21067..21279, 21103..21279, 21360..21404, 21360..21404		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38585	Strand	
Start	21477	End	22064
Name	OJ990716_06.9819.C17.o2.tc	Method	TBLASTX:Cress
Start	21477	End	22064
GI	none	Score	64
Exons	21477..21602, 21771..22064, 21788..22024		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38585	Strand	
Start	21477	End	22064
Name	OJ990716_06.9819.C17.o3.ts	Method	TBLASTX:Soybean
Start	21771	End	22058
GI	none	Score	272
Exons	21771..22058, 21776..22006		

Seq. No.	18400	Seq. ID	OJ990716_06.9819.C17
Gene No.	38585	Strand	
Start	21477	End	22064
Name	OJ990716_06.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	21776	End	22064
GI	none	Score	410
Exons	21776..22030, 21777..22064, 21942..22064		

Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38586	Strand	+
Start	11302	End	13337
Name	OJ990716_06.9819.C18.o1.gp	Method	AAT/GAP
Start	11265	End	11619
GI	71934_1.R1084	Score	670
Exons	11265..11619		
GI Descrip.	'4510349/gb\|AAD21438.1\| 2.0e-15 (AC006921) putative bZIP transcription factor [Arabidopsis thaliana]'		

Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38586	Strand	+
Start	11302	End	13337
Name	OJ990716_06.9819.C18.o2.gs	Method	GENSCAN
Start	11302	End	12821
GI	none	Score	.66
Exons	11302..12273, 12362..12433, 12729..12821		

Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38586	Strand	+
Start	11302	End	13337
Name	OJ990716_06.9819.C18.o1.np	Method	AAT/NAP
Start	11311	End	13337
GI	4510349	Score	383

Exons	11311..12273, 12362..12505, 13287..13337		
GI Descrip.	(AC006921) putative bZIP transcription factor [Arabidopsis thaliana]		
Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38586	Strand	+
Start	11302	End	13337
Name	OJ990716_06.9819.C18.o2.gp	Method	AAT/GAP
Start	12084	End	12943
GI	94811_1.R1084	Score	946
Exons	12084..12273, 12362..12433, 12557..12586, 12729..12943		
GI Descrip.	'4510349/gb\|AAD21438.1\| 2.0e-22 (AC006921) putative bZIP transcription factor [Arabidopsis thaliana]'		
Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38587	Strand	+
Start	13239	End	16327
Name	OJ990716_06.9819.C18.o2.np	Method	AAT/NAP
Start	13239	End	16083
GI	2495601	Score	122
Exons	13239..13300, 15143..15376, 15929..16083		
GI Descrip.	HYPOTHETICAL 49.6 KD PROTEIN IN MAOC-ACPD INTERGENIC REGION gi\|1787679 (AE000238) putative enzymes [Escherichia coli]		
Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38587	Strand	+
Start	13239	End	16327
Name	OJ990716_06.9819.C18.o3.gp	Method	AAT/GAP
Start	15163	End	16327
GI	21471_1.R1084	Score	1177
Exons	15163..15376, 15929..16327		
GI Descrip.	'2865394 9.0e-13 (AF036949) basic leucine zipper protein [Zea mays]'		
Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38588	Strand	+
Start	18503	End	18873
Name	OJ990716_06.9819.C18.o4.gp	Method	AAT/GAP
Start	18503	End	18873
GI	3107709	Score	507
Exons	18503..18628, 18731..18873		
GI Descrip.	2865394 9.0e-13 (AF036949) basic leucine zipper protein [Zea mays]		
Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38589	Strand	-
Start	18369	End	20567
Name	OJ990716_06.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	11322	End	11693
GI	none	Score	50
Exons	11322..11360, 11323..11361, 11398..11568, 11402..11557, 11403..11597, 11409..11570, 11416..11571, 11638..11691, 11643..11693		
Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38589	Strand	-
Start	18369	End	20567

Name	OJ990716_06.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	12154	End	18897
GI	none	Score	80
Exons	12154..12282, 18751..18897, 18803..18895		

Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38589	Strand	-
Start	18369	End	20567
Name	OJ990716_06.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	14961	End	15336
GI	none	Score	321
Exons	14961..15227, 14962..15231, 15256..15336, 15258..15326		

Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38589	Strand	-
Start	18369	End	20567
Name	OJ990716_06.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	15101	End	16150
GI	none	Score	322
Exons	15101..15376, 15102..15377, 15102..15398, 15103..15378, 15902..16087, 15903..16088, 15927..16088, 15928..16089, 15931..16089, 15932..16090, 16087..16137, 16087..16149, 16094..16150		

Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38589	Strand	-
Start	18369	End	20567
Name	OJ990716_06.9819.C18.o3.np	Method	AAT/NAP
Start	18369	End	20567
GI	2865394	Score	282
Exons	18369..18459, 18752..18902, 20210..20567		
GI Descrip.	(AF036949) basic leucine zipper protein [Zea mays]		

Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38589	Strand	-
Start	18369	End	20567
Name	OJ990716_06.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	18751	End	18900
GI	none	Score	116
Exons	18751..18900, 18803..18898		

Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38589	Strand	-
Start	18369	End	20567
Name	OJ990716_06.9819.C18.o5.gp	Method	AAT/GAP
Start	18912	End	19320
GI	none	Score	797
Exons	18912..19320		

Seq. No.	18401	Seq. ID	OJ990716_06.9819.C18
Gene No.	38589	Strand	-
Start	18369	End	20567
Name	OJ990716_06.9819.C18.o4.gs	Method	GENSCAN
Start	19467	End	19548
GI	none	Score	.53
Exons	19467..19548		

Seq. No.	18402	Seq. ID	OJ990716_06.9819.C20
Gene No.	38590	Strand	-
Start	1	End	90
Name	OJ990716_06.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	90
GI	6056208	Score	138
Exons	1..90		
GI Descrip.	(AC009400) putative ATPase [Arabidopsis thaliana]		

Seq. No.	18402	Seq. ID	OJ990716_06.9819.C20
Gene No.	38591	Strand	-
Start	28	End	96
Name	OJ990716_06.9819.C20.o1.gs	Method	GENSCAN
Start	28	End	96
GI	none	Score	.93
Exons	28..96		

Seq. No.	18403	Seq. ID	OJ990406_08.9819.C1
Gene No.	38592	Strand	+
Start	1	End	740
Name	OJ990406_08.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	740
GI	131136	Score	1274
Exons	1..740		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A1 gi\|72671\|pir\|\|A1RZP7 photosystem I P700 apoprotein A1 - rice chloroplast gi\|11982\|emb\|CAA33996\| (X15901) PSI P700 apoprotein A1 [Oryza sativa] gi\|226605\|prf\|\|1603356AB photosystem I P700 apoprotein A1 [Oryza sativa]		

Seq. No.	18403	Seq. ID	OJ990406_08.9819.C1
Gene No.	38593	Strand	-
Start	270	End	790
Name	OJ990406_08.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	5	End	617
GI	none	Score	307
Exons	5..322, 9..323, 141..323, 390..470, 474..617, 482..580, 501..599		

Seq. No.	18403	Seq. ID	OJ990406_08.9819.C1
Gene No.	38593	Strand	-
Start	270	End	790
Name	OJ990406_08.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	5	End	721
GI	none	Score	307
Exons	5..346, 9..323, 125..343, 390..470, 474..617, 510..599, 629..721		

Seq. No.	18403	Seq. ID	OJ990406_08.9819.C1
Gene No.	38593	Strand	-
Start	270	End	790
Name	OJ990406_08.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	60	End	605
GI	none	Score	295
Exons	60..323, 68..322, 138..323, 390..464, 474..605, 501..599		

Seq. No.	18403	Seq. ID	OJ990406_08.9819.C1
Gene No.	38593	Strand	-
Start	270	End	790

Name	OJ990406_08.9819.C1.o1.gs	Method	GENSCAN
Start	270	End	746
GI	none	Score	.57
Exons	270..345, 681..746		

Seq. No.	18403	Seq. ID	OJ990406_08.9819.C1
Gene No.	38593	Strand	-
Start	270	End	790
Name	OJ990406_08.9819.C1.o2.tc	Method	TBLASTX:Cress
Start	608	End	790
GI	none	Score	316
Exons	608..790, 608..790		

Seq. No.	18404	Seq. ID	OJ990406_08.9819.C2
Gene No.	38594	Strand	-
Start	1	End	284
Name	OJ990406_08.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	241
GI	133446	Score	305
Exons	1..241		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi\|66986\|pir\|\|RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi\|11973\|emb\|CAA33988\| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	18404	Seq. ID	OJ990406_08.9819.C2
Gene No.	38594	Strand	-
Start	1	End	284
Name	OJ990406_08.9819.C2.o1.gs	Method	GENSCAN
Start	40	End	284
GI	none	Score	.78
Exons	40..284		

Seq. No.	18404	Seq. ID	OJ990406_08.9819.C2
Gene No.	38595	Strand	-
Start	444	End	759
Name	OJ990406_08.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	41	End	546
GI	none	Score	222
Exons	41..247, 42..245, 43..246, 245..277, 295..339, 296..343, 468..542, 468..539, 472..546		

Seq. No.	18404	Seq. ID	OJ990406_08.9819.C2
Gene No.	38595	Strand	-
Start	444	End	759
Name	OJ990406_08.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	47	End	558
GI	none	Score	211
Exons	47..247, 48..245, 245..277, 295..339, 296..343, 438..554, 441..548, 442..558, 443..556		

Seq. No.	18404	Seq. ID	OJ990406_08.9819.C2
Gene No.	38595	Strand	-
Start	444	End	759
Name	OJ990406_08.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	122	End	507
GI	none	Score	146

Exons	122..247, 137..244, 283..330, 284..334, 442..507, 450..506		
Seq. No.	18404	Seq. ID	OJ990406_08.9819.C2
Gene No.	38595	Strand	-
Start	444	End	759
Name	OJ990406_08.9819.C2.o2.np	Method	AAT/NAP
Start	444	End	759
GI	133435	Score	335
Exons	444..759		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi\|66983\|pir\|\|RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi\|11972\|emb\|CAA33987\| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi\|226690\|prf\|\|1603356Q RNA polymerase beta'-1 [Oryza sativa]		
Seq. No.	18405	Seq. ID	OJ990406_08.9819.C4
Gene No.	38596	Strand	+
Start	331	End	739
Name	OJ990406_08.9819.C4.o1.gp	Method	AAT/GAP
Start	331	End	739
GI	7528_1.R1084	Score	774
Exons	331..739		
GI Descrip.	'131205/sp\|P12186\|PSAI_ORYSA 9.0e-13 PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII (PSI-I) >gi_72677_pir__A1RZI photosystem I protein psaI - rice chloroplast >gi_11996_emb_CAA33957_ (X15901) ORF36 [Oryza sativa] >gi_226617_prf__1603356AP photosystem I small peptide [Oryza sativa]'		
Seq. No.	18405	Seq. ID	OJ990406_08.9819.C4
Gene No.	38596	Strand	+
Start	331	End	739
Name	OJ990406_08.9819.C4.o1.np	Method	AAT/NAP
Start	398	End	505
GI	131205	Score	178
Exons	398..505		
GI Descrip.	PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII (PSI-I) gi\|72677\|pir\|\|A1RZI photosystem I protein psaI - rice chloroplast gi\|11996\|emb\|CAA33957\| (X15901) ORF36 [Oryza sativa] gi\|226617\|prf\|\|1603356AP photosystem I small peptide [Oryza sativa]		
Seq. No.	18405	Seq. ID	OJ990406_08.9819.C4
Gene No.	38597	Strand	+
Start	646	End	738
Name	OJ990406_08.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	364	End	738
GI	none	Score	273
Exons	364..543, 370..543, 546..644, 547..645, 547..660, 633..710, 641..712, 644..712, 646..732, 669..713, 708..737, 708..737, 709..738		
Seq. No.	18405	Seq. ID	OJ990406_08.9819.C4
Gene No.	38597	Strand	+
Start	646	End	738
Name	OJ990406_08.9819.C4.o1.gs	Method	GENSCAN
Start	646	End	696
GI	none	Score	.56

Exons	646..696		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38598	Strand	+
Start	622	End	1532
Name	OJ990406_08.9819.C5.o1.np	Method	AAT/NAP
Start	622	End	804
GI	131358	Score	321
Exons	622..804		
GI Descrip.	PHOTOSYSTEM II 4 KD REACTION CENTER PROTEIN PRECURSOR gi\|72700\|pir\|\|F2RZKS photosystem II protein psbK - rice chloroplast gi\|11961\|emb\|CAA34010\| (X15901) PSII K protein [Oryza sativa] gi\|226672\|prf\|\|1603356D photosystem II K protein [Oryza sativa]		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38598	Strand	+
Start	622	End	1532
Name	OJ990406_08.9819.C5.o1.gs	Method	GENSCAN
Start	681	End	1532
GI	none	Score	.94
Exons	681..792, 1362..1532		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38599	Strand	+
Start	1938	End	2237
Name	OJ990406_08.9819.C5.o2.np	Method	AAT/NAP
Start	1938	End	2237
GI	82515	Score	524
Exons	1938..2237		
GI Descrip.	hypothetical 12.5K (psbI-psbD intergenic region) - rice chloroplast gi\|11963\|emb\|CAA34012\| (X15901) ORF100 [Oryza sativa] gi\|226681\|prf\|\|1603356F ORF 100 [Oryza sativa]		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38600	Strand	+
Start	2490	End	5067
Name	OJ990406_08.9819.C5.o2.gs	Method	GENSCAN
Start	2490	End	4920
GI	none	Score	.48
Exons	2490..3534, 3569..4920		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38600	Strand	+
Start	2490	End	5067
Name	OJ990406_08.9819.C5.o3.np	Method	AAT/NAP
Start	3499	End	4917
GI	131283	Score	2546
Exons	3499..4917		
GI Descrip.	PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) gi\|72710\|pir\|\|F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast gi\|11965\|emb\|CAA34014\| (X15901) PSII 43kDa protein [Oryza sativa]		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38600	Strand	+
Start	2490	End	5067

Name	OJ990406_08.9819.C5.o1.gp	Method	AAT/GAP
Start	3626	End	4083
GI	2231_2.R1084	Score	844
Exons	3626..4083		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38600	Strand	+
Start	2490	End	5067
Name	OJ990406_08.9819.C5.o2.gp	Method	AAT/GAP
Start	4179	End	5067
GI	7587_1.R1084	Score	1671
Exons	4179..5067		
GI Descrip.	'131283/sp\|P12158\|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38601	Strand	+
Start	5174	End	5503
Name	OJ990406_08.9819.C5.o3.gp	Method	AAT/GAP
Start	5174	End	5503
GI	5607533	Score	477
Exons	5174..5503		
GI Descrip.	11957/emb\|X15901\|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38602	Strand	+
Start	5503	End	5712
Name	OJ990406_08.9819.C5.o4.np	Method	AAT/NAP
Start	5503	End	5712
GI	1022811	Score	336
Exons	5503..5712		
GI Descrip.	(U37703) ORF 62 [Hordeum vulgare]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38603	Strand	+
Start	10151	End	10262
Name	OJ990406_08.9819.C5.o6.gp	Method	AAT/GAP
Start	10151	End	10262
GI	1036999	Score	198
Exons	10151..10262		
GI Descrip.	11957/emb\|X15901\|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38604	Strand	+
Start	10277	End	10378
Name	OJ990406_08.9819.C5.o7.np	Method	AAT/NAP
Start	10277	End	10378
GI	131372	Score	161
Exons	10277..10378		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER M PROTEIN gi\|72719\|pir\|\|F2RZM photosystem II protein psbM - rice chloroplast		

gi|11969|emb|CAA33984| (X15901) PSII low MW protein [Oryza sativa] gi|2924261|emb|CAA77413| (Z00044) PSII M-protein [Nicotiana tabacum] gi|5881688|dbj|BAA84379.1| (AP000423) PSII low MW protein [Arabidopsis thaliana] gi|226687|prf||1603356M photosystem II low

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5		
Gene No.	38605	Strand	+		
Start	10336	End	10481		
Name	OJ990406_08.9819.C5.o7.gp	Method	AAT/GAP		
Start	10336	End	10481		
GI	LIB3432-021-P1-K1-A3	Score	213		
Exons	10336..10481				
GI Descrip.	'11957/emb	X15901	CHOSXX 1.0e-52 Rice complete chloroplast genome'		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5								
Gene No.	38606	Strand	+								
Start	12805	End	16029								
Name	OJ990406_08.9819.C5.o8.np	Method	AAT/NAP								
Start	12805	End	16029								
GI	133416	Score	5524								
Exons	12805..16029										
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi	66970	pir		RNRZB DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - rice chloroplast gi	11971	emb	CAA33986	(X15901) RNA polymerase beta subunit [Oryza sativa]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5												
Gene No.	38607	Strand	+												
Start	16069	End	18114												
Name	OJ990406_08.9819.C5.o9.np	Method	AAT/NAP												
Start	16069	End	18114												
GI	133435	Score	3579												
Exons	16069..18114														
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi	66983	pir		RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi	11972	emb	CAA33987	(X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi	226690	prf		1603356Q RNA polymerase beta'-1 [Oryza sativa]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5								
Gene No.	38608	Strand	+								
Start	18317	End	22855								
Name	OJ990406_08.9819.C5.o10.np	Method	AAT/NAP								
Start	18317	End	22855								
GI	133446	Score	7826								
Exons	18317..22855										
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi	66986	pir		RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi	11973	emb	CAA33988	(X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38609	Strand	+
Start	23130	End	23837
Name	OJ990406_08.9819.C5.o11.np	Method	AAT/NAP

Start	23130	End	23837
GI	133912	Score	1226
Exons	23130..23837		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S2 gi\|70859\|pir\|\|R3RZ2 ribosomal protein S2 - rice chloroplast gi\|11974\|emb\|CAA33989\| (X15901) ribosomal protein S2 [Oryza sativa] gi\|226692\|prf\|\|1603356T ribosomal protein S2 [Oryza sativa]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38610	Strand	+
Start	23969	End	24831
Name	OJ990406_08.9819.C5.o10.gp	Method	AAT/GAP
Start	23969	End	24511
GI	42732_1.R1084	Score	1070
Exons	23969..24511		
GI Descrip.	'114657/sp\|P12083\|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38610	Strand	+
Start	23969	End	24831
Name	OJ990406_08.9819.C5.o12.np	Method	AAT/NAP
Start	24091	End	24831
GI	114657	Score	1271
Exons	24091..24831		
GI Descrip.	ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) gi\|67926\|pir\|\|LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast gi\|11975\|emb\|CAA33990\| (X15901) ATPase a subunit [Oryza sativa] gi\|226693\|prf\|\|1603356U ATPase a [Oryza sativa]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38611	Strand	+
Start	25629	End	28512
Name	OJ990406_08.9819.C5.o11.gp	Method	AAT/GAP
Start	24552	End	24922
GI	LIB3477-011-P1-K1-C10	Score	734
Exons	24552..24922		
GI Descrip.	'114657/sp\|P12083\|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38611	Strand	+
Start	25629	End	28512
Name	OJ990406_08.9819.C5.o13.np	Method	AAT/NAP
Start	25629	End	25871
GI	114653	Score	380
Exons	25629..25871		
GI Descrip.	ATP SYNTHASE C CHAIN (LIPID-BINDING PROTEIN) (SUBUNIT III) gi\|67896\|pir\|\|LWSPA H+-transporting ATP synthase (EC 3.6.1.34) lipid-binding protein - spinach chloroplast gi\|67897\|pir\|\|LWRZA H+-transporting ATP synthase (EC 3.6.1.34) lipid-binding protein		

- rice chloroplast gi|279576|pir||LWZMC H+-transporting ATP synthase (EC 3.6.1.34) lipid-binding protein - maize chlo

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38611	Strand	+
Start	25629	End	28512
Name	OJ990406_08.9819.C5.o4.gs	Method	GENSCAN
Start	25629	End	28483
GI	none	Score	.94
Exons	25629..25740, 27308..27655, 27743..28483		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38611	Strand	+
Start	25629	End	28512
Name	OJ990406_08.9819.C5.o14.np	Method	AAT/NAP
Start	26329	End	27705
GI	114633	Score	860
Exons	26329..26473, 27302..27705		
GI Descrip.	ATP SYNTHASE B CHAIN (SUBUNIT I) gi\|67930\|pir\|\|PWWT1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - wheat chloroplast gi\|311717\|emb\|CAA26438\| (X02595) CF-O subunit I [Triticum aestivum]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38611	Strand	+
Start	25629	End	28512
Name	OJ990406_08.9819.C5.o15.np	Method	AAT/NAP
Start	27799	End	28512
GI	114521	Score	1105
Exons	27799..28512		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi\|67827\|pir\|\|PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast gi\|11979\|emb\|CAA33993\| (X15901) ATPase alpha subunit [Oryza sativa] gi\|226696\|prf\|\|1603356X ATPase alpha [Oryza sativa]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38611	Strand	+
Start	25629	End	28512
Name	OJ990406_08.9819.C5.o14.gp	Method	AAT/GAP
Start	27820	End	28366
GI	5005311	Score	1047
Exons	27820..28366		
GI Descrip.	114521/sp\|P12084\|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38612	Strand	-
Start	5385	End	5844
Name	OJ990406_08.9819.C5.o4.gp	Method	AAT/GAP
Start	5385	End	5844
GI	45273_1.R1084	Score	831
Exons	5385..5844		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38613	Strand	-
Start	6235	End	6409
Name	OJ990406_08.9819.C5.o5.gp	Method	AAT/GAP
Start	6235	End	6409
GI	306_9.R1084	Score	239
Exons	6235..6409		
GI Descrip.	'287391/dbj\|D13111\|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38614	Strand	-
Start	7673	End	7939
Name	OJ990406_08.9819.C5.o5.np	Method	AAT/NAP
Start	7673	End	7939
GI	82514	Score	469
Exons	7673..7939		
GI Descrip.	hypothetical 10.6K protein (ps12a-trnC intergenic region) - rice chloroplast gi\|11967\|emb\|CAA33982\| (X15901) ORF91 [Oryza sativa] gi\|226685\|prf\|\|1603356K ORF 91 [Oryza sativa]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38615	Strand	-
Start	8167	End	8376
Name	OJ990406_08.9819.C5.o6.np	Method	AAT/NAP
Start	8167	End	8376
GI	82536	Score	382
Exons	8167..8376		
GI Descrip.	hypothetical 8.3K protein (trnI-trnC intergenic region) - rice chloroplast gi\|11968\|emb\|CAA33983\| (X15901) ORF70 [Oryza sativa] gi\|226686\|prf\|\|1603356L ORF 70 [Oryza sativa]		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38616	Strand	-
Start	12565	End	12695
Name	OJ990406_08.9819.C5.o8.gp	Method	AAT/GAP
Start	12565	End	12695
GI	5607624	Score	215
Exons	12565..12695		
GI Descrip.	287391/dbj\|D13111\|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38617	Strand	-
Start	19917	End	20002
Name	OJ990406_08.9819.C5.o9.gp	Method	AAT/GAP
Start	19917	End	20002
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	19917..20002		
GI Descrip.	'133446/sp\|P12093\|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38618	Strand	-

Start	25587	End	26626
Name	OJ990406_08.9819.C5.o12.gp	Method	AAT/GAP
Start	25587	End	26626
GI	2721_1.R1084	Score	1973
Exons	25587..26626		
GI Descrip.	'114622/sp\|P12087\|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase - (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o16.tm	Method	TBLASTX:Maize
Start	399	End	964
GI	none	Score	208
Exons	399..533, 406..534, 407..535, 709..858, 709..858, 710..859, 711..863, 862..927, 863..925, 865..927, 913..963, 913..963, 926..964		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	535	End	4920
GI	none	Score	78
Exons	535..708, 3479..4315, 3479..3766, 3483..3974, 3821..4417, 3825..4409, 4023..4919, 4030..4920		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	535	End	4654
GI	none	Score	75
Exons	535..708, 4023..4409, 4023..4556, 4030..4557, 4457..4561, 4463..4576, 4476..4577, 4520..4654, 4537..4653		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	535	End	4953
GI	none	Score	76
Exons	535..708, 3459..4403, 3459..3974, 3808..3975, 3821..4417, 4023..4916, 4030..4953		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	535	End	4493
GI	none	Score	77
Exons	535..708, 4007..4414, 4008..4403, 4012..4491, 4023..4493, 4030..4491		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o14.ts	Method	TBLASTX:Soybean
Start	709	End	1446
GI	none	Score	154
Exons	709..828, 711..812, 1180..1308, 1181..1306, 1182..1310, 1351..1446		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o27.tm	Method	TBLASTX:Maize
Start	964	End	1173
GI	none	Score	90
Exons	964..1032, 965..1036, 966..1034, 1025..1081, 1035..1100, 1036..1092, 1061..1171, 1066..1173, 1075..1173		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o24.tc	Method	TBLASTX:Cress
Start	1166	End	1446
GI	none	Score	215
Exons	1166..1309, 1179..1322, 1179..1322, 1420..1446, 1420..1446		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o14.tm	Method	TBLASTX:Maize
Start	1518	End	1946
GI	none	Score	84
Exons	1518..1583, 1518..1583, 1519..1584, 1520..1585, 1569..1628, 1570..1626, 1574..1648, 1575..1679, 1654..1683, 1684..1800, 1685..1822, 1702..1824, 1779..1838, 1780..1842, 1780..1842, 1849..1944, 1849..1929, 1851..1946, 1851..1946		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o10.tw	Method	TBLASTX:Wheat
Start	1623	End	2178
GI	none	Score	57
Exons	1623..1682, 1654..1683, 1672..1764, 1677..1763, 1685..1765, 1685..1768, 1739..1810, 1757..1798, 1759..1848, 1759..1809, 1768..1842, 1784..1855, 1847..1972, 1849..1962, 1941..2135, 1959..2099, 1988..2110, 2059..2145, 2104..2178		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o28.tm	Method	TBLASTX:Maize
Start	1948	End	2188
GI	none	Score	181
Exons	1948..2085, 1959..2084, 1959..2087, 2089..2133, 2092..2145, 2094..2135, 2123..2188, 2125..2178		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o11.tw	Method	TBLASTX:Wheat
Start	2179	End	2552
GI	none	Score	44
Exons	2179..2211, 2182..2229, 2187..2228, 2201..2230, 2221..2277, 2231..2278, 2235..2279, 2236..2280, 2267..2293, 2271..2294, 2272..2307, 2278..2400, 2279..2404, 2279..2401, 2280..2405, 2403..2420, 2432..2548, 2436..2552, 2436..2552		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o4.ts	Method	TBLASTX:Soybean
Start	2430	End	3252
GI	none	Score	1363
Exons	2430..3251, 2444..3250, 2863..3252		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o6.tc	Method	TBLASTX:Cress
Start	2492	End	2864
GI	none	Score	660
Exons	2492..2863, 2493..2864		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o8.tm	Method	TBLASTX:Maize
Start	2799	End	3226
GI	none	Score	671
Exons	2799..3224, 2804..3226, 2805..3224		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o9.tc	Method	TBLASTX:Cress
Start	2947	End	3277
GI	none	Score	521
Exons	2947..3276, 2948..3277, 2952..3275		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	3018	End	3461
GI	none	Score	43
Exons	3018..3053, 3039..3461, 3045..3461		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o5.tm	Method	TBLASTX:Maize
Start	3520	End	3971
GI	none	Score	754

Exons	3520..3771, 3522..3971, 3523..3969		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o7.tw	Method	TBLASTX:Wheat
Start	3624	End	4022
GI	none	Score	160
Exons	3624..3764, 3624..3974, 3625..3975, 3821..4021, 3825..4022		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o7.tm	Method	TBLASTX:Maize
Start	4494	End	4956
GI	none	Score	668
Exons	4494..4913, 4494..4928, 4495..4929, 4924..4956, 4925..4954		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o9.tw	Method	TBLASTX:Wheat
Start	4655	End	5019
GI	none	Score	394
Exons	4655..4954, 4655..4954, 4657..4956, 4925..5008, 4947..5018, 4948..5019		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o11.tm	Method	TBLASTX:Maize
Start	5193	End	5809
GI	none	Score	77
Exons	5193..5282, 5194..5241, 5253..5291, 5253..5291, 5380..5478, 5394..5477, 5394..5480, 5395..5478, 5399..5497, 5435..5749, 5445..5750, 5481..5753, 5482..5751, 5765..5809, 5770..5808		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o17.tc	Method	TBLASTX:Cress
Start	5194	End	5718
GI	none	Score	45
Exons	5194..5232, 5273..5341, 5304..5336, 5402..5449, 5402..5431, 5494..5718, 5499..5711, 5500..5712, 5507..5716		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o12.ts	Method	TBLASTX:Soybean
Start	5400	End	5724
GI	none	Score	44
Exons	5400..5447, 5491..5724, 5499..5711		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491

Name	OJ990406_08.9819.C5.o30.tm	Method	TBLASTX:Maize
Start	6222	End	6589
GI	none	Score	44
Exons	6222..6248, 6372..6449, 6376..6531, 6378..6533, 6379..6534, 6530..6589		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o22.tm	Method	TBLASTX:Maize
Start	7063	End	7335
GI	none	Score	86
Exons	7063..7131, 7064..7153, 7113..7217, 7121..7258, 7121..7261, 7123..7302, 7251..7334, 7252..7335, 7252..7335		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o26.tm	Method	TBLASTX:Maize
Start	8270	End	8473
GI	none	Score	106
Exons	8270..8344, 8272..8343, 8330..8473, 8338..8463		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o25.tc	Method	TBLASTX:Cress
Start	9328	End	9465
GI	none	Score	191
Exons	9328..9465, 9328..9465		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o23.tm	Method	TBLASTX:Maize
Start	9334	End	9600
GI	none	Score	250
Exons	9334..9498, 9334..9516, 9335..9517, 9357..9524, 9562..9600		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o16.ts	Method	TBLASTX:Soybean
Start	10096	End	10393
GI	none	Score	60
Exons	10096..10203, 10225..10254, 10265..10393, 10271..10381		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o26.tc	Method	TBLASTX:Cress
Start	10109	End	10435
GI	none	Score	41
Exons	10109..10159, 10112..10159, 10157..10228, 10225..10272, 10262..10408, 10264..10383, 10274..10435		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5

Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o6.tm	Method	TBLASTX:Maize
Start	10186	End	10758
GI	none	Score	79
Exons	10186..10227, 10187..10228, 10187..10228, 10202..10273, 10221..10268, 10258..10434, 10262..10435, 10266..10442, 10411..10641, 10413..10640, 10450..10518, 10471..10524, 10473..10520, 10633..10677, 10636..10680, 10663..10752, 10669..10758		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o13.tw	Method	TBLASTX:Wheat
Start	10225	End	10423
GI	none	Score	50
Exons	10225..10272, 10226..10273, 10262..10423, 10264..10383, 10274..10417		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o12.tw	Method	TBLASTX:Wheat
Start	10471	End	11055
GI	none	Score	86
Exons	10471..10542, 10471..10518, 10472..10543, 10473..10520, 10540..10563, 10541..10561, 10564..10644, 10576..10707, 10615..10695, 10791..10877, 10799..10894, 10804..10881, 10859..10927, 10872..10913, 11006..11047, 11008..11055		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o15.ts	Method	TBLASTX:Soybean
Start	11127	End	11264
GI	none	Score	128
Exons	11127..11255, 11142..11264		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o13.tc	Method	TBLASTX:Cress
Start	12617	End	13187
GI	none	Score	38
Exons	12617..12652, 12622..12651, 12669..12743, 12669..12743, 12670..12744, 12794..13066, 12802..13068, 12802..13065, 12804..13067, 13069..13185, 13070..13180, 13080..13187, 13080..13187		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o11.ts	Method	TBLASTX:Soybean
Start	12664	End	13067
GI	none	Score	52
Exons	12664..12768, 12681..12755, 12683..12778, 12772..13065,		

12774..13067

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o10.tm	Method	TBLASTX:Maize
Start	12682	End	13080
GI	none	Score	542
Exons	12682..13080, 12684..13079		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o18.tm	Method	TBLASTX:Maize
Start	13081	End	13274
GI	none	Score	304
Exons	13081..13266, 13081..13272, 13083..13271, 13083..13274		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o12.tc	Method	TBLASTX:Cress
Start	13267	End	13627
GI	none	Score	483
Exons	13267..13626, 13269..13583, 13283..13627		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o7.ts	Method	TBLASTX:Soybean
Start	13309	End	14140
GI	none	Score	568
Exons	13309..13713, 13311..13583, 13313..13714, 13573..13719, 13714..13863, 13715..13870, 13737..13880, 13884..14138, 13896..14138, 13909..14139, 13922..14140		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o19.tc	Method	TBLASTX:Cress
Start	13628	End	13995
GI	none	Score	88
Exons	13628..13753, 13629..13709, 13636..13713, 13693..13875, 13714..13863, 13718..13876, 13719..13880, 13737..13880, 13884..13991, 13884..13991, 13909..13995, 13937..13993		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o28.tc	Method	TBLASTX:Cress
Start	14016	End	14263
GI	none	Score	49
Exons	14016..14066, 14026..14067, 14038..14073, 14067..14147, 14068..14157, 14068..14109, 14070..14147, 14158..14190, 14189..14263, 14221..14262		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5

Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o8.ts	Method	TBLASTX:Soybean
Start	14237	End	14781
GI	none	Score	227
Exons	14237..14416, 14245..14397, 14247..14417, 14260..14427, 14379..14561, 14394..14561, 14398..14583, 14554..14592, 14603..14740, 14607..14759, 14607..14741, 14608..14781, 14614..14778		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o20.tc	Method	TBLASTX:Cress
Start	14328	End	14523
GI	none	Score	175
Exons	14328..14522, 14328..14522, 14329..14523		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o10.ts	Method	TBLASTX:Soybean
Start	14981	End	15396
GI	none	Score	105
Exons	14981..15208, 14986..15210, 14988..15206, 15225..15353, 15225..15359, 15229..15363, 15230..15373, 15360..15395, 15361..15396		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o25.tm	Method	TBLASTX:Maize
Start	15174	End	15777
GI	none	Score	153
Exons	15174..15413, 15229..15516, 15586..15777		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o21.tc	Method	TBLASTX:Cress
Start	15229	End	15786
GI	none	Score	155
Exons	15229..15516, 15267..15413, 15586..15786, 15678..15785		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o6.ts	Method	TBLASTX:Soybean
Start	15699	End	16514
GI	none	Score	214
Exons	15699..15890, 15699..15911, 15700..16026, 15772..16038, 16040..16159, 16057..16509, 16059..16514, 16060..16509, 16100..16513		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491

Name	OJ990406_08.9819.C5.o14.tc	Method	TBLASTX:Cress
Start	15798	End	16198
GI	none	Score	309
Exons	15798..16025, 15799..16026, 15805..16032, 16066..16197, 16068..16196, 16070..16198		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o22.tc	Method	TBLASTX:Cress
Start	16492	End	16773
GI	none	Score	270
Exons	16492..16773, 16500..16718		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o13.ts	Method	TBLASTX:Soybean
Start	16599	End	17052
GI	none	Score	43
Exons	16599..16658, 16630..16659, 16660..16785, 16660..16734, 16756..16860, 16773..17012, 16782..16967, 16795..17007, 17008..17052, 17011..17049		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o11.tc	Method	TBLASTX:Cress
Start	16862	End	17285
GI	none	Score	52
Exons	16862..16909, 16863..16967, 16879..17283, 16918..17283, 17016..17285		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o4.tc	Method	TBLASTX:Cress
Start	17295	End	18039
GI	none	Score	377
Exons	17295..17726, 17295..17735, 17296..17742, 17789..18037, 17803..18039, 17805..18038		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o9.ts	Method	TBLASTX:Soybean
Start	17569	End	18011
GI	none	Score	218
Exons	17569..17736, 17585..17734, 17604..17735, 17777..18007, 17787..17924, 17794..18009, 17805..18011		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o19.tm	Method	TBLASTX:Maize
Start	17680	End	18013
GI	none	Score	82

Exons	17680..17736, 17682..17735, 17777..18013, 17787..17924, 17794..18012		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	18012	End	20975
GI	none	Score	99
Exons	18012..18086, 18016..18090, 18019..18090, 18215..18262, 18219..18263, 18281..18313, 18311..19018, 18312..18671, 18313..19020, 18314..19027, 19014..19139, 19015..19164, 19015..19143, 19016..19144, 19151..19903, 19164..19904, 19165..19911, 19375..19905, 19908..19964, 19911..20060, 19918..20061, 19919..20122, 20030..20200, 20055..20198, 20071..20199, 20626..20910, 20627..20908, 20700..20975		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o21.tm	Method	TBLASTX:Maize
Start	18015	End	18511
GI	none	Score	140
Exons	18015..18116, 18016..18120, 18016..18117, 18215..18262, 18219..18263, 18281..18313, 18311..18511, 18313..18510, 18314..18511		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o27.tc	Method	TBLASTX:Cress
Start	18051	End	18403
GI	none	Score	81
Exons	18051..18116, 18052..18108, 18224..18274, 18228..18275, 18314..18403, 18316..18402		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o8.tc	Method	TBLASTX:Cress
Start	18406	End	18799
GI	none	Score	595
Exons	18406..18798, 18407..18799, 18410..18799		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o5.tw	Method	TBLASTX:Wheat
Start	19099	End	19543
GI	none	Score	634
Exons	19099..19542, 19099..19338, 19100..19543, 19100..19543		
Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o10.tc	Method	TBLASTX:Cress
Start	19244	End	19660

GI	none	Score	387
Exons	19244..19654, 19245..19655, 19245..19658, 19250..19660		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o16.tc	Method	TBLASTX:Cress
Start	19675	End	20190
GI	none	Score	225
Exons	19675..19893, 19676..19912, 19676..19897, 19934..20188, 19999..20181, 20044..20190		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o20.tm	Method	TBLASTX:Maize
Start	20170	End	20531
GI	none	Score	138
Exons	20170..20292, 20177..20317, 20179..20292, 20186..20293, 20189..20263, 20190..20237, 20191..20262, 20207..20263, 20213..20323, 20217..20315, 20221..20268, 20222..20317, 20222..20323, 20226..20327, 20252..20326, 20255..20314, 20259..20345, 20259..20366, 20280..20366, 20298..20354, 20301..20354, 20307..20405, 20307..20354, 20307..20405, 20307..20354, 20349..20513, 20349..20513, 20355..20510, 20373..20528, 20376..20510, 20384..20428, 20391..20531, 20391..20414, 20412..20444, 20418..20483, 20432..20476, 20433..20483, 20435..20512, 20436..20522, 20441..20485, 20469..20531, 20479..20514, 20489..20527, 20492..20530		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	20532	End	21343
GI	none	Score	46
Exons	20532..20570, 20565..20930, 20595..20648, 20597..21343, 20597..20929, 20623..21342, 21005..21343		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o23.tc	Method	TBLASTX:Cress
Start	20574	End	20872
GI	none	Score	66
Exons	20574..20681, 20597..20872, 20597..20869, 20626..20871		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	20797	End	21416
GI	none	Score	44
Exons	20797..20868, 20805..20846, 20810..20869, 20834..21094, 20841..21002, 20995..21414, 20996..21415, 20997..21416		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5

Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o15.tc	Method	TBLASTX:Cress
Start	20873	End	21580
GI	none	Score	55
Exons	20873..20908, 20907..20996, 20915..20992, 20984..21250, 21010..21231, 21018..21278, 21244..21348, 21244..21351, 21245..21580, 21245..21376, 21434..21571, 21436..21579		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o2.tc	Method	TBLASTX:Cress
Start	21650	End	22795
GI	none	Score	47
Exons	21650..21706, 21658..21750, 21812..21868, 21815..21859, 21863..21937, 21871..21927, 21949..22674, 21950..22681, 22478..22681, 22602..22700, 22739..22795, 22741..22794		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o5.ts	Method	TBLASTX:Soybean
Start	21785	End	22860
GI	none	Score	143
Exons	21785..21940, 21806..21940, 21949..22326, 21949..22674, 21950..22741, 22610..22738, 22611..22742, 22721..22783, 22728..22796, 22728..22796, 22741..22800, 22753..22860		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o29.tm	Method	TBLASTX:Maize
Start	22055	End	22192
GI	none	Score	215
Exons	22055..22192, 22055..22192		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o13.tm	Method	TBLASTX:Maize
Start	22381	End	22675
GI	none	Score	67
Exons	22381..22470, 22389..22436, 22417..22674, 22418..22675, 22475..22675		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o6.tw	Method	TBLASTX:Wheat
Start	22432	End	22840
GI	none	Score	632
Exons	22432..22839, 22436..22840, 22475..22840		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491

Name	OJ990406_08.9819.C5.o9.tm	Method	TBLASTX:Maize
Start	22676	End	23336
GI	none	Score	276
Exons	22676..22849, 22677..22847, 22678..22887, 22844..22876, 22882..22923, 22888..22923, 22931..22996, 22931..22996, 22988..23077, 22996..23046, 22998..23066, 23120..23296, 23120..23314, 23121..23315, 23130..23315, 23310..23336, 23310..23336		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o7.tc	Method	TBLASTX:Cress
Start	22995	End	23617
GI	none	Score	35
Exons	22995..23015, 22996..23013, 23124..23507, 23125..23508, 23129..23506, 23502..23615, 23503..23616, 23504..23617		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o3.ts	Method	TBLASTX:Soybean
Start	22997	End	28491
GI	none	Score	530
Exons	22997..23020, 23126..23848, 23128..23826, 23130..23843, 23401..23853, 23859..23900, 24084..24833, 24085..24684, 24739..24834, 25466..25528, 25553..25621, 25598..25870, 25611..25883, 25909..25977, 26313..26492, 26317..26493, 26317..26493, 26322..26495, 26573..26596, 26584..26643, 26586..26657, 26589..26642, 26590..26643, 26649..26702, 26650..26703, 26653..26700, 26688..26741, 26690..26773, 26710..26781, 26734..26778, 26800..26847, 26800..26841, 26807..26842, 26869..26937, 26872..26943, 26879..26938, 27028..27045, 27127..27168, 27134..27163, 27204..27704, 27208..27702, 27724..27759, 27764..28327, 27775..28491, 27954..28478		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o12.tm	Method	TBLASTX:Maize
Start	23337	End	23621
GI	none	Score	475
Exons	23337..23621, 23337..23621		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o5.tc	Method	TBLASTX:Cress
Start	24073	End	24585
GI	none	Score	58
Exons	24073..24123, 24080..24121, 24111..24560, 24124..24585, 24126..24584		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491

Name	OJ990406_08.9819.C5.o15.tm	Method	TBLASTX:Maize
Start	24480	End	24742
GI	none	Score	327
Exons	24480..24740, 24480..24686, 24482..24742, 24515..24742		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o17.tm	Method	TBLASTX:Maize
Start	24743	End	25086
GI	none	Score	172
Exons	24743..24865, 24744..24860, 24749..24865, 24852..24986, 24858..25001, 24860..25030, 24877..25014, 24995..25018, 25017..25058, 25018..25059, 25061..25084, 25063..25086		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	25173	End	26107
GI	none	Score	186
Exons	25173..25340, 25188..25217, 25210..25341, 25306..25341, 25317..25397, 25350..25448, 25379..25450, 25389..25451, 25425..25517, 25450..25521, 25451..25522, 25453..25521, 25526..25567, 25526..25564, 25553..25609, 25554..25610, 25563..25610, 25571..25612, 25602..25922, 25604..25888, 25861..25995, 25862..25909, 25872..25967, 25891..25971, 25979..26023, 25981..26025, 26009..26107, 26022..26105, 26024..26107		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o18.tc	Method	TBLASTX:Cress
Start	25577	End	25895
GI	none	Score	321
Exons	25577..25870, 25578..25883, 25743..25895		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	26110	End	27776
GI	none	Score	200
Exons	26110..26274, 26110..26211, 26202..26234, 26247..26561, 26259..26561, 26260..26562, 26267..26563, 26521..26646, 26531..26644, 26533..26646, 26646..26738, 26647..26763, 26647..26775, 26654..26785, 26725..26871, 26767..26871, 26768..26872, 26781..26876, 26864..26941, 26865..26945, 26872..26949, 26902..27012, 26905..27018, 26933..27034, 26956..27171, 26992..27117, 27017..27163, 27120..27206, 27174..27704, 27193..27714, 27433..27714, 27709..27762, 27709..27768, 27714..27776		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491

Name	OJ990406_08.9819.C5.o3.tc	Method	TBLASTX:Cress
Start	26376	End	28275
GI	none	Score	129
Exons	26376..26474, 26385..26474, 27300..27674, 27300..27704, 27301..27711, 27764..28261, 27778..28275, 27954..28274		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o8.tw	Method	TBLASTX:Wheat
Start	26494	End	26970
GI	none	Score	183
Exons	26494..26613, 26494..26613, 26610..26657, 26610..26648, 26647..26769, 26647..26769, 26648..26770, 26744..26854, 26772..26855, 26773..26856, 26773..26853, 26774..26854, 26853..26939, 26856..26936, 26857..26943, 26866..26970, 26929..26961, 26933..26968		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o13.gp	Method	AAT/GAP
Start	26664	End	27209
GI	2135_1.R1084	Score	1072
Exons	26664..27209		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	27192	End	27637
GI	none	Score	120
Exons	27192..27278, 27193..27276, 27206..27286, 27210..27278, 27282..27632, 27284..27622, 27287..27637		

Seq. No.	18406	Seq. ID	OJ990406_08.9819.C5
Gene No.	38619	Strand	-
Start	26664	End	28491
Name	OJ990406_08.9819.C5.o24.tm	Method	TBLASTX:Maize
Start	27820	End	28133
GI	none	Score	260
Exons	27820..28131, 27957..28001, 28062..28133		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38620	Strand	+
Start	1	End	656
Name	OJ990406_08.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	653
GI	114521	Score	716
Exons	1..653		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi\|67827\|pir\|\|PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast gi\|11979\|emb\|CAA33993\| (X15901) ATPase alpha subunit [Oryza sativa] gi\|226696\|prf\|\|1603356X ATPase alpha [Oryza sativa]		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38620	Strand	+
Start	1	End	656
Name	OJ990406_08.9819.C6.o1.gs	Method	GENSCAN
Start	258	End	656
GI	none	Score	.99
Exons	258..656		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38621	Strand	-
Start	1235	End	1543
Name	OJ990406_08.9819.C6.o2.np	Method	AAT/NAP
Start	1235	End	1543
GI	133783	Score	530
Exons	1235..1543		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S14 gi\|70989\|pir\|\|R3RZ14 ribosomal protein S14 - rice chloroplast gi\|11934\|emb\|CAA31596\| (X13208) ribosomal protein S14 (AA 1 - 103) [Oryza sativa] gi\|11980\|emb\|CAA33994\| (X15901) ribosomal protein S14 [Oryza sativa] gi\|226697\|prf\|\|1603356Y ribosomal protein S14 [Oryza sativa]		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38622	Strand	-
Start	1694	End	3895
Name	OJ990406_08.9819.C6.o3.np	Method	AAT/NAP
Start	1694	End	3895
GI	131148	Score	3984
Exons	1694..3895		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 gi\|72674\|pir\|\|A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast gi\|11981\|emb\|CAA33995\| (X15901) PSI P700 apoprotein A2 [Oryza sativa] gi\|226604\|prf\|\|1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38623	Strand	-
Start	3924	End	6173
Name	OJ990406_08.9819.C6.o4.np	Method	AAT/NAP
Start	3924	End	6173
GI	298750	Score	4008
Exons	3924..6173		
GI Descrip.	photosystem I reaction center protein psaA product [Sorghum bicolor, Qiuji No. 5, Peptide Chloroplast, 750 aa]		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38624	Strand	-
Start	6777	End	8752
Name	OJ990406_08.9819.C6.o5.np	Method	AAT/NAP
Start	6777	End	8752
GI	140284	Score	819
Exons	6777..6932, 7657..7886, 8629..8752		
GI Descrip.	HYPOTHETICAL 19 KD PROTEIN (ORF 170) gi\|82540\|pir\|\|S05104 hypothetical protein 170 - rice chloroplast gi\|226606\|prf\|\|1603356AC intron-containing ORF 170 [Oryza sativa]		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38625	Strand	-
Start	9726	End	10328
Name	OJ990406_08.9819.C6.o6.np	Method	AAT/NAP
Start	9726	End	10328
GI	133958	Score	1025
Exons	9726..10328		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S4 gi\|70878\|pir\|\|R3RZ4 ribosomal protein S4 - rice chloroplast gi\|11986\|emb\|CAA33998\| (X15901) rps4; ribosomal protein S4 [Oryza sativa] gi\|226607\|prf\|\|1603356AD ribosomal protein S4 [Oryza sativa]		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o10.tc	Method	TBLASTX:Cress
Start	227	End	860
GI	none	Score	431
Exons	227..613, 228..656, 237..656, 421..657, 784..849, 788..859, 788..856, 789..860, 789..860		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o7.ts	Method	TBLASTX:Soybean
Start	227	End	657
GI	none	Score	457
Exons	227..613, 228..650, 228..650, 412..657		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o7.tc	Method	TBLASTX:Cress
Start	1118	End	1800
GI	none	Score	86
Exons	1118..1201, 1119..1199, 1227..1424, 1229..1429, 1230..1424, 1443..1574, 1478..1546, 1524..1547, 1689..1799, 1690..1800, 1715..1798		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	1446	End	5180
GI	none	Score	117
Exons	1446..1592, 1478..1543, 1513..1554, 1665..2927, 1666..2178, 1715..2962, 1715..2962, 3943..4035, 4047..4190, 4065..4154, 4194..4274, 4318..4659, 4341..4655, 4710..4754, 4776..5180, 4780..4881		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	1464	End	5426
GI	none	Score	164
Exons	1464..1562, 1478..1561, 1563..1580, 1564..1590, 1622..1669,		

1623..1676, 1624..1680, 1674..2927, 1678..2178, 1703..3115,
1715..3247, 2884..3237, 3165..3248, 3213..3308, 3218..3325,
3223..3303, 3227..3307, 4047..4190, 4065..4163, 4194..4274,
4341..4523, 4341..4655, 4342..4659, 4710..4754, 4776..5180,
4780..5193, 5187..5426, 5188..5259, 5211..5336, 5299..5358

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	1841	End	4545
GI	none	Score	266

Exons 1841..2008, 1842..2006, 1846..2007, 2002..2178, 2007..2387,
2009..2389, 2010..2390, 4059..4190, 4065..4163, 4200..4274,
4341..4526, 4341..4544, 4342..4545

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	2492	End	5748
GI	none	Score	34

Exons 2492..2521, 2495..2539, 2543..2776, 2546..2950, 2550..2900,
2963..3109, 2964..3116, 3287..3418, 3428..3532, 4545..5747,
4582..5748

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	2962	End	5628
GI	none	Score	163

Exons 2962..3222, 2963..3115, 2963..3436, 2964..3116, 2964..3437,
2965..3117, 3160..3213, 3165..3437, 3170..3439, 3250..3447,
5187..5357, 5188..5358, 5361..5408, 5514..5627, 5515..5628

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o16.tc	Method	TBLASTX:Cress
Start	3117	End	3287
GI	none	Score	141

Exons 3117..3275, 3119..3280, 3142..3276, 3164..3286, 3165..3287

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o8.tm	Method	TBLASTX:Maize
Start	3326	End	5759
GI	none	Score	464

Exons 3326..3619, 3327..3620, 3327..3620, 5514..5636, 5536..5628,
5643..5759

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o10.ts	Method	TBLASTX:Soybean

Start	3450	End	5879
GI	none	Score	339
Exons	3450..3695, 3450..3545, 3479..3694, 5643..5759, 5826..5879		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o6.tc	Method	TBLASTX:Cress
Start	3536	End	6050
GI	none	Score	63
Exons	3536..3655, 3537..3656, 3602..4030, 3606..4055, 3619..4056, 5838..5984, 5979..6050		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	3623	End	6898
GI	none	Score	742
Exons	3623..3778, 3776..3847, 5768..6220, 5768..6103, 5769..6248, 5770..6225, 6195..6308, 6211..6255, 6218..6295, 6270..6398, 6284..6400, 6290..6406, 6401..6430, 6402..6431, 6444..6494, 6447..6494, 6472..6576, 6486..6575, 6509..6589, 6573..6644, 6574..6630, 6578..6631, 6625..6705, 6626..6706, 6627..6707, 6627..6707, 6735..6887, 6746..6817, 6747..6884, 6751..6891, 6752..6898		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o6.ts	Method	TBLASTX:Soybean
Start	3695	End	6319
GI	none	Score	365
Exons	3695..3778, 3776..3847, 5901..6218, 5901..6236, 5905..6237, 5908..6237, 6290..6319		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o12.tc	Method	TBLASTX:Cress
Start	6051	End	6319
GI	none	Score	234
Exons	6051..6218, 6051..6218, 6052..6219, 6058..6219, 6213..6296, 6290..6319		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o13.ts	Method	TBLASTX:Soybean
Start	6777	End	7767
GI	none	Score	149
Exons	6777..6932, 6778..6933, 6818..6943, 7649..7765, 7651..7767, 7657..7767		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684

Name	OJ990406_08.9819.C6.o15.tc	Method	TBLASTX:Cress
Start	6828	End	7159
GI	none	Score	136
Exons	6828..6968, 6828..6956, 6835..6972, 6944..7009, 6945..6995, 6946..6999, 6947..7000, 7058..7102, 7058..7132, 7062..7133, 7116..7154, 7121..7159		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o9.tm	Method	TBLASTX:Maize
Start	6953	End	7296
GI	none	Score	240
Exons	6953..7108, 6956..7108, 7058..7180, 7097..7216, 7104..7220, 7108..7233, 7110..7217, 7206..7256, 7210..7293, 7213..7275, 7217..7294, 7246..7296		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o9.tc	Method	TBLASTX:Cress
Start	7627	End	7977
GI	none	Score	393
Exons	7627..7884, 7629..7964, 7630..7977		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	7636	End	8792
GI	none	Score	556
Exons	7636..7884, 7638..7988, 7638..7973, 7838..7990, 7924..7989, 7983..8612, 7987..8643, 7988..8596, 8019..8609, 8566..8769, 8591..8770, 8607..8771, 8607..8771, 8608..8772, 8772..8792, 8774..8791		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o11.tc	Method	TBLASTX:Cress
Start	8043	End	8781
GI	none	Score	56
Exons	8043..8099, 8055..8075, 8110..8163, 8127..8162, 8127..8258, 8168..8284, 8169..8285, 8173..8292, 8280..8396, 8292..8396, 8293..8406, 8405..8497, 8417..8497, 8419..8502, 8588..8767, 8595..8777, 8595..8777, 8596..8781		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o9.ts	Method	TBLASTX:Soybean
Start	8106	End	8782
GI	none	Score	54
Exons	8106..8162, 8107..8166, 8126..8167, 8139..8261, 8168..8287, 8169..8297, 8340..8375, 8350..8373, 8409..8435, 8416..8490, 8436..8507, 8450..8494, 8502..8528, 8506..8529, 8607..8774, 8608..8775, 8608..8775, 8621..8782		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o11.tm	Method	TBLASTX:Maize
Start	8959	End	9345
GI	none	Score	291
Exons	8959..8979, 8963..9247, 8983..9114, 9002..9250, 9160..9255, 9245..9334, 9246..9335, 9249..9335, 9250..9345, 9250..9336		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o7.tm	Method	TBLASTX:Maize
Start	9426	End	9968
GI	none	Score	97
Exons	9426..9509, 9427..9507, 9428..9508, 9454..9510, 9509..9661, 9510..9935, 9511..9951, 9511..9936, 9513..9941, 9933..9968		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	9596	End	9996
GI	none	Score	101
Exons	9596..9634, 9633..9713, 9645..9713, 9652..9714, 9658..9714, 9673..9996, 9702..9995		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o4.tc	Method	TBLASTX:Cress
Start	9723	End	10720
GI	none	Score	585
Exons	9723..10352, 9724..10353, 9726..10352, 9733..10353, 10223..10357, 10371..10442, 10372..10419, 10585..10704, 10617..10706, 10624..10701, 10625..10720, 10625..10711		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o5.ts	Method	TBLASTX:Soybean
Start	9947	End	10451
GI	none	Score	369
Exons	9947..10168, 9948..10343, 9948..10349, 9949..10350, 10256..10351, 10395..10451		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o12.tm	Method	TBLASTX:Maize
Start	10229	End	10486
GI	none	Score	163
Exons	10229..10342, 10229..10342, 10230..10343, 10231..10371, 10337..10429, 10339..10452, 10341..10451, 10343..10462, 10460..10486, 10461..10484		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	11080	End	12071
GI	none	Score	78
Exons	11080..11193, 11112..11195, 11188..11349, 11190..11348, 11191..11361, 11341..11571, 11342..11572, 11345..11581, 11346..11582, 11346..11582, 11578..11613, 11581..11700, 11582..11611, 11605..11697, 11606..11704, 11616..11708, 11780..11827, 11787..11885, 11788..11886, 11880..11927, 11881..11958, 11881..11958, 11882..11959, 11895..11963, 11956..12030, 11957..12067, 11957..12070, 11970..12071		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o14.ts	Method	TBLASTX:Soybean
Start	11433	End	11700
GI	none	Score	165
Exons	11433..11582, 11455..11616, 11472..11582, 11572..11622, 11578..11700, 11579..11695, 11604..11696, 11644..11697		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	11457	End	11719
GI	none	Score	176
Exons	11457..11645, 11464..11574, 11465..11581, 11466..11582, 11561..11614, 11580..11621, 11633..11719, 11645..11719		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o17.tc	Method	TBLASTX:Cress
Start	11960	End	12096
GI	none	Score	133
Exons	11960..12076, 11963..12094, 11970..12083, 11970..12095, 12073..12096		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	12686	End	15391
GI	none	Score	68
Exons	12686..12736, 12686..12736, 12687..12746, 12735..12806, 12739..12807, 12749..12778, 12804..13463, 12810..13445, 13443..13481, 13450..13659, 13454..13669, 13485..13676, 13486..13656, 13493..13657, 13642..14199, 13645..14028, 13646..14176, 14188..14463, 14205..14489, 14205..14705, 14216..14494, 14221..14706, 14500..14706, 14703..14864, 14708..14890, 14709..14891, 14900..14944, 14921..14974, 14921..14950, 14926..14973, 14967..14993, 14971..14994, 15024..15086, 15026..15088, 15041..15088, 15060..15182, 15093..15137, 15109..15231, 15116..15217, 15216..15278,		

15217..15276, 15273..15299, 15278..15391, 15280..15390

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o5.tc	Method	TBLASTX:Cress
Start	12893	End	13370
GI	none	Score	463
Exons	12893..13360, 12894..13361, 12894..13370, 13024..13368		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o7.np	Method	AAT/NAP
Start	12909	End	13385
GI	128857	Score	876
Exons	12909..13385		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT J (ORF 159) gi\|82539\|pir\|\|S05106 hypothetical protein 159 - rice chloroplast gi\|11987\|emb\|CAA33999\| (X15901) ORF159 [Oryza sativa] gi\|226608\|prf\|\|1603356AE ORF 159 [Oryza sativa]		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o4.ts	Method	TBLASTX:Soybean
Start	12945	End	13395
GI	none	Score	383
Exons	12945..13379, 12945..13379, 13021..13395		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o3.tc	Method	TBLASTX:Cress
Start	13457	End	14205
GI	none	Score	146
Exons	13457..13645, 13482..13646, 13483..13749, 13636..13707, 13694..13750, 13724..14173, 13743..13913, 13744..14205, 13745..14173		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o3.gs	Method	GENSCAN
Start	13483	End	16601
GI	none	Score	.72
Exons	13483..14003, 14312..14509, 16054..16120, 16428..16601		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o8.np	Method	AAT/NAP
Start	13486	End	14226
GI	131323	Score	1234
Exons	13486..14226		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT K gi\|72688\|pir\|\|F2RZG psbG protein - rice chloroplast gi\|11988\|emb\|CAA34000\| (X15901)		

psbG; PSII G protein [Oryza sativa] gi|226609|prf||1603356AF photosystem II G protein [Oryza sativa]

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	13525	End	14193
GI	none	Score	764
Exons	13525..14193, 13526..14167, 14071..14172		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	13612	End	14143
GI	none	Score	697
Exons	13612..14142, 13613..14143		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o8.tc	Method	TBLASTX:Cress
Start	14208	End	14607
GI	none	Score	251
Exons	14208..14240, 14256..14480, 14257..14607, 14257..14601, 14289..14603, 14540..14605		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o8.ts	Method	TBLASTX:Soybean
Start	14214	End	14547
GI	none	Score	306
Exons	14214..14489, 14215..14547, 14217..14546		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o9.np	Method	AAT/NAP
Start	14220	End	14570
GI	1352554	Score	179
Exons	14220..14570		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 3 gi\|2129810\|pir\|\|S70000 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - radish mitochondrion gi\|303517\|dbj\|BAA02856\| (D13697) NADH dehydrogenase subunit 3 [Brassica napus] gi\|1171198 (U43506) NADH dehydrogenase subunit three [Raphanus sativus] gi\|1171201 (U43507) NADH dehydrogenase subunit three [Raphanus sativus]		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o12.ts	Method	TBLASTX:Soybean
Start	15299	End	15968
GI	none	Score	137
Exons	15299..15403, 15300..15419, 15301..15387, 15339..15404,		

15363..15449, 15371..15445, 15383..15457, 15438..15572,
15456..15485, 15491..15589, 15507..15581, 15508..15621,
15574..15645, 15599..15667, 15627..15659, 15669..15704,
15669..15704, 15798..15830, 15799..15828, 15886..15957,
15901..15960, 15903..15968

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o14.tc	Method	TBLASTX:Cress
Start	15320	End	15876
GI	none	Score	88
Exons	15320..15388, 15322..15387, 15339..15389, 15348..15389, 15383..15445, 15383..15460, 15384..15455, 15441..15491, 15519..15581, 15522..15560, 15568..15792, 15574..15681, 15666..15731, 15799..15828, 15838..15876		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	15476	End	16108
GI	none	Score	470
Exons	15476..15808, 15477..15809, 15478..15807, 15757..15810, 15804..16058, 15805..16011, 16043..16108		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o13.tc	Method	TBLASTX:Cress
Start	16243	End	16683
GI	none	Score	75
Exons	16243..16413, 16337..16567, 16338..16577, 16403..16567, 16410..16571, 16498..16581, 16548..16649, 16573..16650, 16616..16681, 16649..16681, 16650..16682, 16650..16682, 16651..16683		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o10.tm	Method	TBLASTX:Maize
Start	16276	End	16648
GI	none	Score	131
Exons	16276..16413, 16277..16606, 16316..16606, 16498..16623, 16613..16648, 16613..16648		

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o10.np	Method	AAT/NAP
Start	16326	End	16684
GI	114601	Score	578
Exons	16326..16684		
GI Descrip.	ATP SYNTHASE EPSILON CHAIN gi\|67868\|pir\|\|PWRZE H+-transporting ATP synthase (EC 3.6.1.34) epsilon chain - rice chloroplast gi\|11990\|emb\|CAA34002\| (X15901) atpE; ATPase epsilon subunit [Oryza sativa] gi\|343204 (M31464) atpE gene product [Oryza		

sativa] gi|226611|prf||1603356AH ATPase epsilon [Oryza sativa]

Seq. No.	18407	Seq. ID	OJ990406_08.9819.C6
Gene No.	38626	Strand	-
Start	13483	End	16684
Name	OJ990406_08.9819.C6.o11.ts	Method	TBLASTX:Soybean
Start	16337	End	16683
GI	none	Score	69
Exons	16337..16648, 16338..16649, 16339..16413, 16428..16649, 16498..16650, 16650..16682, 16653..16682, 16654..16683		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38627	Strand	+
Start	1985	End	3585
Name	OJ990406_08.9819.C7.o2.gp	Method	AAT/GAP
Start	1934	End	2663
GI	24824_1.R1084	Score	1379
Exons	1934..2663		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38627	Strand	+
Start	1985	End	3585
Name	OJ990406_08.9819.C7.o2.gs	Method	GENSCAN
Start	1985	End	3418
GI	none	Score	.58
Exons	1985..3418		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7													
Gene No.	38627	Strand	+													
Start	1985	End	3585													
Name	OJ990406_08.9819.C7.o2.np	Method	AAT/NAP													
Start	1985	End	3415													
GI	132005	Score	2553													
Exons	1985..3415															
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE LARGE CHAIN PRECURSOR (RUBISCO LARGE SUBUNIT) gi	68145	pir		RKRZL ribulose-bisphosphate carboxylase (EC 4.1.1.39) large chain precursor - rice chloroplast gi	11992	emb	CAA34004	(X15901) rbcL; RuBisCO large subunit [Oryza sativa] gi	344017	dbj	BAA00147	(D00207) ribulose 1,5-bisphosphate carboxylase large subunit [Oryza sativa] gi	22		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7		
Gene No.	38627	Strand	+		
Start	1985	End	3585		
Name	OJ990406_08.9819.C7.o3.gp	Method	AAT/GAP		
Start	2760	End	3585		
GI	14384_1.R1084	Score	1358		
Exons	2760..3471, 3557..3585				
GI Descrip.	'5881726/dbj	BAA84417.1	3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38628	Strand	+
Start	3992	End	4764

Name	OJ990406_08.9819.C7.o3.np	Method	AAT/NAP
Start	3696	End	3821
GI	82529	Score	222
Exons	3696..3821		
GI Descrip.	hypothetical 5K protein (rbcL-psaI intergenic region) - rice chloroplast gi\|11993\|emb\|CAA34005\| (X15901) ORF42; homology to rpl23 [Oryza sativa] gi\|226614\|prf\|\|1603356AL rpl23-like ORF 44 [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38628	Strand	+
Start	3992	End	4764
Name	OJ990406_08.9819.C7.o4.np	Method	AAT/NAP
Start	3848	End	4246
GI	82520	Score	695
Exons	3848..4246		
GI Descrip.	hypothetical 16K protein (rbcL-psaI intergenic region) - rice chloroplast gi\|11994\|emb\|CAA34006\| (X15901) ORF133 [Oryza sativa] gi\|226615\|prf\|\|1603356AM ORF 133 [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38628	Strand	+
Start	3992	End	4764
Name	OJ990406_08.9819.C7.o3.gs	Method	GENSCAN
Start	3992	End	4764
GI	none	Score	.42
Exons	3992..4192, 4669..4764		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38628	Strand	+
Start	3992	End	4764
Name	OJ990406_08.9819.C7.o5.np	Method	AAT/NAP
Start	4444	End	4761
GI	140473	Score	557
Exons	4444..4761		
GI Descrip.	ACETYL-COENZYME A CARBOXYLASE CARBOXYL TRANSFERASE SUBUNIT BETA (ACCASE BETA CHAIN) gi\|82516\|pir\|\|JQ0234 hypothetical 12.5K protein (rbcL-psaI intergenic region) - rice chloroplast gi\|11995\|emb\|CAA33956\| (X15901) ORF106 [Oryza sativa] gi\|226616\|prf\|\|1603356AN ORF 106 [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38629	Strand	+
Start	5361	End	6150
Name	OJ990406_08.9819.C7.o6.np	Method	AAT/NAP
Start	5113	End	5220
GI	131205	Score	178
Exons	5113..5220		
GI Descrip.	PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII (PSI-I) gi\|72677\|pir\|\|A1RZI photosystem I protein psaI - rice chloroplast gi\|11996\|emb\|CAA33957\| (X15901) ORF36 [Oryza sativa] gi\|226617\|prf\|\|1603356AP photosystem I small peptide [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38629	Strand	+
Start	5361	End	6150

Name	OJ990406_08.9819.C7.o4.gs	Method	GENSCAN
Start	5361	End	6150
GI	none	Score	.89
Exons	5361..5411, 5779..6150		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38629	Strand	+
Start	5361	End	6150
Name	OJ990406_08.9819.C7.o4.gp	Method	AAT/GAP
Start	5401	End	6024
GI	7528_2.R1084	Score	1143
Exons	5401..6024		
GI Descrip.	'140291/sp\|P12206\|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38629	Strand	+
Start	5361	End	6150
Name	OJ990406_08.9819.C7.o7.np	Method	AAT/NAP
Start	5593	End	6147
GI	140291	Score	977
Exons	5593..6147		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi\|82541\|pir\|\|S05116 hypothetical protein 185 - rice chloroplast gi\|11997\|emb\|CAA33958\| (X15901) ORF185 [Oryza sativa] gi\|226618\|prf\|\|1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38630	Strand	+
Start	6181	End	6436
Name	OJ990406_08.9819.C7.o8.np	Method	AAT/NAP
Start	6181	End	6436
GI	11998	Score	443
Exons	6181..6436		
GI Descrip.	(X15901) ORF85 [Oryza sativa] gi\|226619\|prf\|\|1603356AR ORF 85A [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38631	Strand	+
Start	6570	End	7259
Name	OJ990406_08.9819.C7.o9.np	Method	AAT/NAP
Start	6570	End	7259
GI	122779	Score	1222
Exons	6570..7259		
GI Descrip.	POTENTIAL HEME-BINDING PROTEIN (ORF 230) gi\|82542\|pir\|\|S05118 hypothetical protein 230 - rice chloroplast gi\|11999\|emb\|CAA33960\| (X15901) ORF230 [Oryza sativa] gi\|226620\|prf\|\|1603356AT ORF 230 [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38632	Strand	+
Start	7492	End	8454
Name	OJ990406_08.9819.C7.o6.gp	Method	AAT/GAP
Start	7435	End	7876
GI	uC-osf1M202092b08b1	Score	831

Exons	7435..7876		
GI Descrip.	'118048/sp\|P07888\|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38632	Strand	+
Start	7492	End	8454
Name	OJ990406_08.9819.C7.o10.np	Method	AAT/NAP
Start	7492	End	8451
GI	118048	Score	1643
Exons	7492..8451		
GI Descrip.	APOCYTOCHROME F PRECURSOR gi\|65615\|pir\|\|CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast gi\|12000\|emb\|CAA33961\| (X15901) cytochrome f [Oryza sativa] gi\|226621\|prf\|\|1603356AU cytochrome f [Oryza sativa]		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38632	Strand	+
Start	7492	End	8454
Name	OJ990406_08.9819.C7.o5.gs	Method	GENSCAN
Start	7492	End	8454
GI	none	Score	.57
Exons	7492..8454		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38633	Strand	+
Start	11421	End	11513
Name	OJ990406_08.9819.C7.o14.np	Method	AAT/NAP
Start	11421	End	11513
GI	140304	Score	146
Exons	11421..11513		
GI Descrip.	CYTOCHROME B6-F COMPLEX 3.5 KD SUBUNIT (CYTOCHROME B6-F COMPLEX SUBUNIT 6) gi\|82543\|pir\|\|S05124 hypothetical protein 31 - rice chloroplast gi\|12005\|emb\|CAA33966\| (X15901) ORF31 [Oryza sativa] gi\|226627\|prf\|\|1603356BA ORF 31 [Oryza sativa]		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38634	Strand	+
Start	11689	End	11799
Name	OJ990406_08.9819.C7.o15.np	Method	AAT/NAP
Start	11689	End	11799
GI	129871	Score	183
Exons	11689..11799		
GI Descrip.	CYTOCHROME B6-F COMPLEX SUBUNIT 5 gi\|65644\|pir\|\|WMRZ4 cytochrome b6-f complex 4.2K protein - rice chloroplast gi\|100947\|pir\|\|A32159 plastoquinol--plastocyanin reductase (EC 1.10.99.1) chain V - maize chloroplast gi\|2147243\|pir\|\|S68166 cytochrome b6-f complex chain 5 - beet chloroplast gi\|12006\|emb\|CAA33967\| (X15901) cytochrome b /f complex subunit 5 [Oryza sativa] g		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38635	Strand	+

Start	12441	End	12963
Name	OJ990406_08.9819.C7.o7.gp	Method	AAT/GAP
Start	12441	End	12963
GI	uC-osflm202104g03b1	Score	1026
Exons	12441..12963		
GI Descrip.	'131211/sp\|P19443\|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38635	Strand	+
Start	12441	End	12963
Name	OJ990406_08.9819.C7.o16.np	Method	AAT/NAP
Start	12512	End	12643
GI	131213	Score	216
Exons	12512..12643		
GI Descrip.	PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) gi\|72676\|pir\|\|A1RZJ photosystem I protein psaJ - rice chloroplast gi\|12007\|emb\|CAA33968\| (X15901) ORF44 [Oryza sativa] gi\|226629\|prf\|\|1603356BC photosystem I small peptide [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38636	Strand	+
Start	13088	End	13285
Name	OJ990406_08.9819.C7.o17.np	Method	AAT/NAP
Start	13088	End	13285
GI	132899	Score	350
Exons	13088..13285		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L33 gi\|71354\|pir\|\|R5RZ33 ribosomal protein L33 - rice chloroplast gi\|12008\|emb\|CAA33969\| (X15901) ribosomal protein L33 [Oryza sativa] gi\|226630\|prf\|\|1603356BD ribosomal protein L33 [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38637	Strand	+
Start	13531	End	14019
Name	OJ990406_08.9819.C7.o18.np	Method	AAT/NAP
Start	13531	End	14019
GI	133839	Score	842
Exons	13531..14019		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S18 gi\|71017\|pir\|\|R3RZ18 ribosomal protein S18 - rice chloroplast gi\|12009\|emb\|CAA33970\| (X15901) ribosomal protein S18 [Oryza sativa] gi\|226631\|prf\|\|1603356BE ribosomal protein S18 [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38638	Strand	-
Start	1	End	1470
Name	OJ990406_08.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	1187
GI	6815115	Score	1844
Exons	1..1187		
GI Descrip.	(AB037543) ATP synthase beta subunit [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7

Gene No.	38638	Strand	-
Start	1	End	1470
Name	OJ990406_08.9819.C7.o1.gs	Method	GENSCAN
Start	138	End	1187
GI	none	Score	.63
Exons	138..1187		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38638	Strand	-
Start	1	End	1470
Name	OJ990406_08.9819.C7.o1.gp	Method	AAT/GAP
Start	954	End	1470
GI	uC-osflM202083h12b1	Score	968
Exons	954..1470		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38639	Strand	-
Start	6028	End	6565
Name	OJ990406_08.9819.C7.o5.gp	Method	AAT/GAP
Start	6028	End	6565
GI	2653_1.R1084	Score	1052
Exons	6028..6565		
GI Descrip.	'11998/emb\|CAA33959\| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38640	Strand	-
Start	9973	End	10224
Name	OJ990406_08.9819.C7.o11.np	Method	AAT/NAP
Start	9458	End	9577
GI	131350	Score	204
Exons	9458..9577		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER J PROTEIN gi\|72721\|pir\|\|F2RZJ photosystem II protein psbJ - rice chloroplast gi\|12001\|emb\|CAA33962\| (X15901) ORF40; pot. PSII component [Oryza sativa] gi\|226622\|prf\|\|1603356AV photosystem II component [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38640	Strand	-
Start	9973	End	10224
Name	OJ990406_08.9819.C7.o12.np	Method	AAT/NAP
Start	9707	End	9820
GI	131368	Score	198
Exons	9707..9820		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER L PROTEIN (PSII 5 KD PROTEIN) gi\|72696\|pir\|\|F2RZL photosystem II protein psbL - rice chloroplast gi\|72697\|pir\|\|F2WTL photosystem II protein psbL - wheat chloroplast gi\|82447\|pir\|\|S04064 photosystem II protein psbL - barley chloroplast gi\|82559\|pir\|\|S03193 photosystem II protein psbL - rye chloroplast gi\|483158\|pir\|\|C48310 photosystem I		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38640	Strand	-
Start	9973	End	10224

Name	OJ990406_08.9819.C7.o13.np	Method	AAT/NAP
Start	9846	End	10224
GI	224159	Score	588
Exons	9846..10224		
GI Descrip.	cytochrome b559 [Spinacia oleracea]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38640	Strand	-
Start	9973	End	10224
Name	OJ990406_08.9819.C7.o6.gs	Method	GENSCAN
Start	9973	End	10224
GI	none	Score	.95
Exons	9973..10224		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38641	Strand	-
Start	14248	End	14604
Name	OJ990406_08.9819.C7.o19.np	Method	AAT/NAP
Start	14248	End	14604
GI	132767	Score	598
Exons	14248..14604		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L20 gi\|71276\|pir\|\|R5RZ20 ribosomal protein L20 - rice chloroplast gi\|12010\|emb\|CAA33971\| (X15901) ribosomal protein L20 [Oryza sativa] gi\|226632\|prf\|\|1603356BF ribosomal protein L20 [Oryza sativa]		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	80	End	1191
GI	none	Score	684
Exons	80..865, 81..1190, 153..944, 613..1191		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	81	End	1032
GI	none	Score	398
Exons	81..503, 82..492, 147..503, 504..746, 522..1013, 613..1032		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	81	End	1127
GI	none	Score	393
Exons	81..503, 82..492, 147..503, 504..746, 522..998, 539..793, 613..1011, 1083..1127		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	222	End	917
GI	none	Score	237

Exons	222..503, 223..492, 228..497, 522..584, 591..629, 640..909, 654..917		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o13.tm	Method	TBLASTX:Maize
Start	1032	End	1285
GI	none	Score	261
Exons	1032..1211, 1034..1243, 1234..1263, 1234..1263, 1268..1285		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o6.tw	Method	TBLASTX:Wheat
Start	1061	End	1493
GI	none	Score	215
Exons	1061..1210, 1063..1239, 1063..1200, 1162..1272, 1207..1293, 1208..1282, 1271..1492, 1280..1459, 1284..1493		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o16.tm	Method	TBLASTX:Maize
Start	1286	End	1476
GI	none	Score	199
Exons	1286..1423, 1286..1423, 1287..1448, 1288..1425, 1416..1472, 1420..1476, 1422..1475		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o11.tm	Method	TBLASTX:Maize
Start	1618	End	1927
GI	none	Score	186
Exons	1618..1740, 1622..1741, 1717..1827, 1726..1782, 1728..1805, 1730..1825, 1731..1835, 1800..1925, 1802..1927, 1844..1927		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	1661	End	2346
GI	none	Score	182
Exons	1661..1789, 1661..1822, 1663..1806, 1780..1878, 1809..1871, 1834..1908, 1872..2300, 1892..2344, 1892..2344, 1921..2346		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o3.ts	Method	TBLASTX:Soybean
Start	1901	End	2604
GI	none	Score	1013
Exons	1901..2587, 1901..2602, 1924..2604, 2089..2604		
Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-

Start	15279	End	15500
Name	OJ990406_08.9819.C7.o5.tc	Method	TBLASTX:Cress
Start	1910	End	2386
GI	none	Score	41
Exons	1910..1942, 1944..2294, 1945..2367, 1946..2386, 1949..2386		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	1928	End	2674
GI	none	Score	436
Exons	1928..2626, 1938..2300, 1940..2668, 2624..2674		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o11.tw	Method	TBLASTX:Wheat
Start	2347	End	2529
GI	none	Score	319
Exons	2347..2529, 2348..2527		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	2672	End	3424
GI	none	Score	926
Exons	2672..3418, 2673..3374, 2678..3424		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o15.tm	Method	TBLASTX:Maize
Start	2677	End	2965
GI	none	Score	205
Exons	2677..2961, 2678..2965, 2682..2960		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o13.tc	Method	TBLASTX:Cress
Start	2909	End	3056
GI	none	Score	156
Exons	2909..3031, 2910..3056, 2911..3045		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o6.tm	Method	TBLASTX:Maize
Start	3019	End	3555
GI	none	Score	310
Exons	3019..3378, 3028..3234, 3041..3388, 3044..3388, 3496..3555, 3500..3553		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-

Start	15279	End	15500
Name	OJ990406_08.9819.C7.o6.tc	Method	TBLASTX:Cress
Start	3139	End	3408
GI	none	Score	353
Exons	3139..3270, 3140..3406, 3140..3406, 3307..3408		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o19.tm	Method	TBLASTX:Maize
Start	3696	End	4440
GI	none	Score	53
Exons	3696..3728, 3697..3747, 3697..3732, 3722..3754, 3722..3754, 3740..3844, 3740..3826, 3754..3846, 4378..4440		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o4.ts	Method	TBLASTX:Soybean
Start	4444	End	6935
GI	none	Score	140
Exons	4444..4665, 4503..4622, 5125..5262, 5127..5216, 5137..5223, 5138..5224, 5584..5745, 5589..5729, 5733..5936, 5741..5782, 5767..5982, 5767..5979, 6002..6064, 6005..6064, 6013..6069, 6091..6150, 6091..6168, 6464..6532, 6476..6535, 6478..6540, 6557..6931, 6561..6935, 6567..6671, 6587..6934		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o8.tm	Method	TBLASTX:Maize
Start	5079	End	5509
GI	none	Score	273
Exons	5079..5258, 5085..5258, 5261..5359, 5262..5375, 5348..5425, 5356..5427, 5359..5427, 5361..5447, 5384..5428, 5395..5493, 5395..5493, 5417..5494, 5420..5509, 5424..5495		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o3.tc	Method	TBLASTX:Cress
Start	5590	End	6931
GI	none	Score	341
Exons	5590..6075, 5592..5972, 5592..6080, 5593..6081, 6015..6083, 6062..6151, 6067..6150, 6479..6553, 6553..6912, 6553..6759, 6554..6931, 6558..6929		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o4.tm	Method	TBLASTX:Maize
Start	5748	End	6345
GI	none	Score	46
Exons	5748..5780, 5749..5781, 5759..6166, 5764..6168, 5767..6168, 6254..6277, 6255..6278, 6273..6320, 6274..6321, 6276..6320, 6313..6345, 6317..6337		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	6939	End	8475
GI	none	Score	332
Exons	6939..7256, 6959..7264, 7485..7694, 7491..8474, 7492..8475		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o11.tc	Method	TBLASTX:Cress
Start	6951	End	7168
GI	none	Score	228
Exons	6951..7166, 6953..7168		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o2.tc	Method	TBLASTX:Cress
Start	7169	End	8435
GI	none	Score	91
Exons	7169..7249, 7170..7241, 7471..8271, 7485..7694, 7492..8280, 8377..8433, 8377..8433, 8385..8435		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o7.tw	Method	TBLASTX:Wheat
Start	7260	End	7686
GI	none	Score	39
Exons	7260..7286, 7261..7296, 7262..7300, 7290..7361, 7291..7410, 7306..7431, 7346..7558, 7366..7557, 7458..7559, 7561..7686, 7564..7683, 7566..7685		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o5.tm	Method	TBLASTX:Maize
Start	7312	End	7792
GI	none	Score	58
Exons	7312..7350, 7314..7358, 7347..7694, 7348..7791, 7349..7792, 7352..7792		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o14.tm	Method	TBLASTX:Maize
Start	7792	End	7960
GI	none	Score	273
Exons	7792..7959, 7793..7960, 7795..7959		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o12.tw	Method	TBLASTX:Wheat
Start	8017	End	8134

GI	none	Score	205
Exons	8017..8133, 8018..8134, 8020..8133		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o8.tw	Method	TBLASTX:Wheat
Start	8253	End	8580
GI	none	Score	377
Exons	8253..8516, 8260..8580, 8260..8580		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o7.tc	Method	TBLASTX:Cress
Start	9399	End	9736
GI	none	Score	273
Exons	9399..9644, 9402..9644, 9683..9736, 9684..9734		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o10.tm	Method	TBLASTX:Maize
Start	9453	End	9736
GI	none	Score	364
Exons	9453..9668, 9453..9707, 9454..9696, 9667..9723, 9668..9736, 9669..9734, 9670..9735		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o4.tw	Method	TBLASTX:Wheat
Start	9689	End	10130
GI	none	Score	669
Exons	9689..10114, 9690..10130		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o4.tc	Method	TBLASTX:Cress
Start	9775	End	10353
GI	none	Score	89
Exons	9775..9828, 9776..9832, 9777..9833, 9831..9962, 9834..9962, 9835..9963, 9836..9964, 9965..10246, 9968..10234, 9970..10242, 9970..10251, 10246..10278, 10250..10279, 10282..10353, 10286..10348		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o18.tm	Method	TBLASTX:Maize
Start	10195	End	10347
GI	none	Score	89
Exons	10195..10248, 10195..10242, 10196..10264, 10243..10302, 10249..10302, 10250..10303, 10250..10303, 10303..10347, 10306..10347		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o9.tw	Method	TBLASTX:Wheat
Start	10208	End	10609
GI	none	Score	86
Exons	10208..10282, 10209..10259, 10210..10260, 10229..10444, 10241..10444, 10438..10584, 10463..10606, 10484..10609		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o17.tm	Method	TBLASTX:Maize
Start	10401	End	10791
GI	none	Score	64
Exons	10401..10454, 10405..10461, 10406..10459, 10434..10526, 10466..10522, 10520..10561, 10533..10598, 10538..10600, 10541..10603, 10607..10684, 10608..10679, 10609..10680, 10691..10783, 10714..10791, 10716..10778		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o5.tw	Method	TBLASTX:Wheat
Start	10971	End	11567
GI	none	Score	136
Exons	10971..11099, 10975..11100, 10976..11071, 10978..11100, 11124..11165, 11139..11204, 11158..11241, 11163..11240, 11215..11292, 11244..11291, 11244..11294, 11245..11292, 11277..11402, 11278..11403, 11282..11401, 11290..11403, 11391..11567, 11396..11566		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o3.tm	Method	TBLASTX:Maize
Start	11133	End	11876
GI	none	Score	139
Exons	11133..11291, 11158..11283, 11160..11309, 11165..11305, 11278..11364, 11279..11362, 11358..11528, 11358..11528, 11360..11530, 11545..11577, 11546..11599, 11572..11598, 11580..11609, 11595..11666, 11596..11703, 11597..11665, 11661..11876, 11663..11869, 11664..11870		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o9.tc	Method	TBLASTX:Cress
Start	11460	End	11802
GI	none	Score	74
Exons	11460..11546, 11462..11527, 11602..11667, 11605..11667, 11667..11801, 11677..11802, 11688..11798		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o7.ts	Method	TBLASTX:Soybean

Start	11602	End	11817
GI	none	Score	146
Exons	11602..11667, 11661..11810, 11661..11816, 11662..11817		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o10.tw	Method	TBLASTX:Wheat
Start	12338	End	12726
GI	none	Score	83
Exons	12338..12397, 12339..12416, 12380..12418, 12441..12689, 12445..12711, 12451..12726		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o9.tm	Method	TBLASTX:Maize
Start	12423	End	12738
GI	none	Score	380
Exons	12423..12731, 12424..12738, 12424..12738		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o6.ts	Method	TBLASTX:Soybean
Start	12497	End	13860
GI	none	Score	168
Exons	12497..12604, 12499..12651, 12499..12651, 13047..13211, 13057..13287, 13070..13300, 13084..13287, 13523..13579, 13550..13621, 13552..13614, 13558..13602, 13609..13671, 13681..13851, 13682..13852, 13683..13847, 13683..13856, 13699..13860		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o12.tc	Method	TBLASTX:Cress
Start	12500	End	12660
GI	none	Score	165
Exons	12500..12604, 12502..12651, 12502..12660		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o12.tm	Method	TBLASTX:Maize
Start	12911	End	13258
GI	none	Score	94
Exons	12911..12979, 12921..13004, 13011..13220, 13022..13258, 13054..13254, 13064..13258		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o8.tc	Method	TBLASTX:Cress
Start	13070	End	14003
GI	none	Score	280
Exons	13070..13288, 13087..13287, 13555..13602, 13579..13671,		

13683..13847, 13683..13847, 13699..13860, 13905..14003

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o10.tc	Method	TBLASTX:Cress
Start	14602	End	15179
GI	none	Score	37
Exons	14602..14631, 14668..14703, 14671..14700, 14693..14752, 14706..14753, 14789..14875, 14790..14864, 14791..14865, 14880..14918, 14881..14979, 14882..15025, 14964..15026, 15062..15106, 15065..15106, 15135..15179		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o5.ts	Method	TBLASTX:Soybean
Start	14698	End	15439
GI	none	Score	73
Exons	14698..14748, 14706..14756, 14782..14823, 14786..14863, 14787..14813, 14825..14869, 14859..14927, 14880..14924, 14881..14934, 14924..14989, 14930..15022, 14931..15023, 14964..15035, 15118..15183, 15118..15177, 15125..15178, 15231..15392, 15234..15410, 15236..15412, 15259..15393, 15395..15439, 15413..15439		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o7.tm	Method	TBLASTX:Maize
Start	15089	End	15500
GI	none	Score	62
Exons	15089..15115, 15091..15117, 15091..15117, 15116..15343, 15117..15410, 15119..15406, 15120..15410, 15121..15411, 15398..15442, 15404..15442, 15443..15466, 15444..15470, 15473..15496, 15474..15500		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o8.gp	Method	AAT/GAP
Start	15279	End	15446
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	15279..15446		
GI Descrip.	'1173189/sp\|P12340\|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	18408	Seq. ID	OJ990406_08.9819.C7
Gene No.	38642	Strand	-
Start	15279	End	15500
Name	OJ990406_08.9819.C7.o20.np	Method	AAT/NAP
Start	15279	End	15392
GI	12415	Score	198
Exons	15279..15392		

GI Descrip. (X60548) chloroplast ribosomal protein S12 [Zea mays]

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38643	Strand	+
Start	1196	End	2722
Name	OJ990406_08.9819.C8.o1.gp	Method	AAT/GAP
Start	1015	End	1143
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	1015..1143		

GI Descrip. '11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38643	Strand	+
Start	1196	End	2722
Name	OJ990406_08.9819.C8.o2.gs	Method	GENSCAN
Start	1196	End	2722
GI	none	Score	.66
Exons	1196..2722		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38643	Strand	+
Start	1196	End	2722
Name	OJ990406_08.9819.C8.o2.np	Method	AAT/NAP
Start	1196	End	2719
GI	131268	Score	2728
Exons	1196..2719		

GI Descrip. PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi|72706|pir||QJZMBB photosystem II chlorophyll a-binding protein psbB - maize chloroplast gi|12435|emb|CAA28997| (X05422) psbB [Zea mays] gi|902247|emb|CAA60311| (X86563) PSII 47KDa protein [Zea mays]

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38643	Strand	+
Start	1196	End	2722
Name	OJ990406_08.9819.C8.o2.gp	Method	AAT/GAP
Start	1693	End	2245
GI	2896_1.R1084	Score	1023
Exons	1693..2245		

GI Descrip. '131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38644	Strand	+
Start	2887	End	2991
Name	OJ990406_08.9819.C8.o3.np	Method	AAT/NAP
Start	2887	End	2991
GI	140310	Score	175
Exons	2887..2991		

GI Descrip. PHOTOSYSTEM II REACTION CENTER T PROTEIN gi|82528|pir||JQ0254 hypothetical 4K protein (psbH-petB intergenic region) - rice chloroplast gi|12014|emb|CAA33974| (X15901) ORF35 [Oryza sativa]

gi|2143324|emb|CAA73766.1| (Y13328) PSII subunit [Populus deltoides] gi|226636|prf||1603356BK ORF 35 [Oryza sativa]

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38645	Strand	+
Start	3278	End	3496
Name	OJ990406_08.9819.C8.o5.np	Method	AAT/NAP
Start	3278	End	3496
GI	131332	Score	371
Exons	3278..3496		
GI Descrip.	PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN gi\|72716\|pir\|\|F2RZ0P photosystem II phosphoprotein psbH - rice chloroplast gi\|11953\|emb\|CAA31204\| (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] gi\|12016\|emb\|CAA33976\| (X15901) PSII 10kDa phosphoprotein [Oryza sativa] gi\|226635\|prf\|\|1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38646	Strand	+
Start	4302	End	5086
Name	OJ990406_08.9819.C8.o5.gp	Method	AAT/GAP
Start	4302	End	4808
GI	uC-osflcyp011b01b1	Score	987
Exons	4302..4808		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38646	Strand	+
Start	4302	End	5086
Name	OJ990406_08.9819.C8.o6.np	Method	AAT/NAP
Start	4391	End	5086
GI	343210	Score	1213
Exons	4391..5086		
GI Descrip.	(M35995) apocytochrome b6 (alt.) [Oryza sativa] gi\|226762\|prf\|\|1604469A cytochrome b6 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38647	Strand	+
Start	6029	End	6508
Name	OJ990406_08.9819.C8.o7.np	Method	AAT/NAP
Start	6029	End	6508
GI	129861	Score	825
Exons	6029..6508		
GI Descrip.	CYTOCHROME B6-F COMPLEX SUBUNIT 4 (17 KD POLYPEPTIDE) gi\|65640\|pir\|\|WMRZ17 plastoquinol--plastocyanin reductase (EC 1.10.99.1) 17K protein - rice chloroplast gi\|669083\|emb\|CAA33978\| (X15901) cytochrome b/f [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38648	Strand	+
Start	10828	End	11932
Name	OJ990406_08.9819.C8.o10.gp	Method	AAT/GAP
Start	10828	End	11932
GI	2291_1.R1084	Score	2153
Exons	10828..11932		
GI Descrip.	'133936/sp\|P12146\|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL		

PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38649	Strand	+
Start	11947	End	13419
Name	OJ990406_08.9819.C8.o11.gp	Method	AAT/GAP
Start	11947	End	13419
GI	3073_1.R1084	Score	2931
Exons	11947..13419		
GI Descrip.	'133936/sp\|P12146\|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38650	Strand	+
Start	15935	End	17646
Name	OJ990406_08.9819.C8.o21.np	Method	AAT/NAP
Start	15935	End	17646
GI	2130154	Score	537
Exons	15935..16357, 17614..17646		
GI Descrip.	hypothetical protein 241 - maize chloroplast gi\|902268\|emb\|CAA60333\| (X86563) ORF241 [Zea mays] gi\|902303\|emb\|CAA60367\| (X86563) ORF241 [Zea mays]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38650	Strand	+
Start	15935	End	17646
Name	OJ990406_08.9819.C8.o22.np	Method	AAT/NAP
Start	16398	End	17144
GI	82523	Score	1273
Exons	16398..17144		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice chloroplast gi\|12034\|emb\|CAA33940\| (X15901) ORF249 [Oryza sativa] gi\|12068\|emb\|CAA33921\| (X15901) ORF249 [Oryza sativa] gi\|226655\|prf\|\|1603356CF ORF 249 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38651	Strand	+
Start	22337	End	22706
Name	OJ990406_08.9819.C8.o28.np	Method	AAT/NAP
Start	22337	End	22706
GI	6723799	Score	361
Exons	22337..22447, 22509..22706		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri] gi\|6723824\|emb\|CAB67235.1\| (AJ271079) hypothetical protein [Oenothera elata subsp. hookeri]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38652	Strand	-
Start	37	End	684
Name	OJ990406_08.9819.C8.o1.np	Method	AAT/NAP
Start	37	End	684

GI	1168978	Score	1070
Exons	37..684		
GI Descrip.	PROBABLE CLPP-LIKE PROTEASE (ENDOPEPTIDASE CLP) gi\|1363574\|pir\|\|S58576 clpP protein - maize chloroplast gi\|902246\|emb\|CAA60310\| (X86563) clpP [Zea mays]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38653	Strand	-
Start	3046	End	3174
Name	OJ990406_08.9819.C8.o4.np	Method	AAT/NAP
Start	3046	End	3174
GI	131375	Score	218
Exons	3046..3174		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER N PROTEIN gi\|72720\|pir\|\|F2RZN photosystem II protein psbN - rice chloroplast gi\|82632\|pir\|\|S14142 photosystem II protein psbN - wheat chloroplast gi\|100123\|pir\|\|S12130 photosystem II protein psbN - Appalachian evening primrose chloroplast gi\|100737\|pir\|\|JN0417 photosystem II protein psbN - rye chloroplast gi\|485419\|pir\|\|S12133 photosys		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38654	Strand	-
Start	3401	End	3852
Name	OJ990406_08.9819.C8.o3.gp	Method	AAT/GAP
Start	3401	End	3852
GI	uC-osflcyp003h11b1	Score	872
Exons	3401..3852		
GI Descrip.	'131332/sp\|P09449\|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZ0P photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38655	Strand	-
Start	3982	End	4145
Name	OJ990406_08.9819.C8.o4.gp	Method	AAT/GAP
Start	3982	End	4145
GI	uC-osflcyp084g07a1	Score	201
Exons	3982..4145		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38656	Strand	-
Start	6734	End	7848
Name	OJ990406_08.9819.C8.o8.np	Method	AAT/NAP
Start	6734	End	7744
GI	133404	Score	1746
Exons	6734..7744		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE ALPHA CHAIN gi\|66963\|pir\|\|RNRZA DNA-directed RNA polymerase (EC 2.7.7.6) alpha chain - rice chloroplast gi\|12018\|emb\|CAA33979\| (X15901) RNA polymerase alpha subunit [Oryza sativa] gi\|226639\|prf\|\|1603356BN RNA polymerase		

alpha [Oryza sativa]

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38656	Strand	-
Start	6734	End	7848
Name	OJ990406_08.9819.C8.o6.gp	Method	AAT/GAP
Start	7283	End	7848
GI	2798177	Score	1010
Exons	7283..7848		
GI Descrip.	5881726/dbj\|BAA84417.1\| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38657	Strand	-
Start	7811	End	8239
Name	OJ990406_08.9819.C8.o9.np	Method	AAT/NAP
Start	7811	End	8239
GI	133726	Score	721
Exons	7811..8239		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S11 gi\|70943\|pir\|\|R3RZ11 ribosomal protein S11 - rice chloroplast gi\|12019\|emb\|CAA33980\| (X15901) ribosomal protein S11 [Oryza sativa] gi\|226640\|prf\|\|1603356BP ribosomal protein S11 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38658	Strand	-
Start	8417	End	8527
Name	OJ990406_08.9819.C8.o10.np	Method	AAT/NAP
Start	8417	End	8527
GI	132927	Score	194
Exons	8417..8527		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L36 gi\|71364\|pir\|\|R5RZ36 ribosomal protein L36 - rice chloroplast gi\|1363596\|pir\|\|S58585 ribosomal protein L36 - maize chloroplast gi\|12020\|emb\|CAA33981\| (X15901) ribosomal protein L36 [Oryza sativa] gi\|342626 (M35956) 50S ribosomal protein (secX) [Zea mays] gi\|902255\|emb\|CAA60319\| (X86563) ribosomal protein L36 [Zea mays] gi\|226641		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38659	Strand	-
Start	8631	End	9021
Name	OJ990406_08.9819.C8.o7.gp	Method	AAT/GAP
Start	8631	End	9021
GI	5003883	Score	782
Exons	8631..9021		
GI Descrip.	11957/emb\|X15901\|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38659	Strand	-
Start	8631	End	9021
Name	OJ990406_08.9819.C8.o11.np	Method	AAT/NAP
Start	8642	End	8962
GI	124197	Score	539
Exons	8642..8962		
GI Descrip.	TRANSLATION INITIATION FACTOR IF-1, CHLOROPLAST gi\|72885\|pir\|\|FIRZ1 translation initiation factor IF-1 - rice		

chloroplast gi|12021|emb|CAA33930| (X15901) initiation factor 1 [Oryza sativa] gi|226642|prf||1603356BR initiation factor 1 [Oryza sativa] gi|227785|prf||1711263A initiation factor 1 [Oryza sativa]

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38660	Strand	-
Start	9103	End	9510
Name	OJ990406_08.9819.C8.o12.np	Method	AAT/NAP
Start	9103	End	9510
GI	134022	Score	688
Exons	9103..9510		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S8 gi\|70914\|pir\|\|R3RZ8 ribosomal protein S8 - rice chloroplast gi\|12022\|emb\|CAA33931\| (X15901) ribosomal protein S8 [Oryza sativa] gi\|226643\|prf\|\|1603356BT ribosomal protein S8 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38661	Strand	-
Start	9592	End	10177
Name	OJ990406_08.9819.C8.o8.gp	Method	AAT/GAP
Start	9592	End	10177
GI	481_1.R1084	Score	1023
Exons	9592..10177		
GI Descrip.	'132672/sp\|P12137\|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38661	Strand	-
Start	9592	End	10177
Name	OJ990406_08.9819.C8.o13.np	Method	AAT/NAP
Start	9653	End	10021
GI	132672	Score	611
Exons	9653..10021		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi\|71224\|pir\|\|R5RZ14 ribosomal protein L14 - rice chloroplast gi\|12023\|emb\|CAA33932\| (X15901) ribosomal protein L14 [Oryza sativa] gi\|226644\|prf\|\|1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38662	Strand	-
Start	10134	End	10541
Name	OJ990406_08.9819.C8.o14.np	Method	AAT/NAP
Start	10134	End	10541
GI	132712	Score	689
Exons	10134..10541		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 gi\|71250\|pir\|\|R5RZ16 ribosomal protein L16 - rice chloroplast gi\|669084\|emb\|CAA33933\| (X15901) ribosomal protein L16 [Oryza sativa] gi\|226645\|prf\|\|1603356BV ribosomal protein L16 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38663	Strand	-
Start	10482	End	10745

Name	OJ990406_08.9819.C8.o9.gp	Method	AAT/GAP
Start	10482	End	10745
GI	LIB3432-015-P1-K1-H8	Score	450
Exons	10482..10745		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o6.tm	Method	TBLASTX:Maize
Start	64	End	20601
GI	none	Score	1197
Exons	64..768, 64..789, 20246..20563, 20247..20600, 20249..20599, 20293..20601		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o18.ts	Method	TBLASTX:Soybean
Start	97	End	254
GI	none	Score	174
Exons	97..252, 97..252, 105..254		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o11.ts	Method	TBLASTX:Soybean
Start	256	End	746
GI	none	Score	374
Exons	256..684, 266..685, 267..704, 513..704, 723..746		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o10.tc	Method	TBLASTX:Cress
Start	274	End	704
GI	none	Score	351
Exons	274..684, 275..685, 318..704		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o12.tm	Method	TBLASTX:Maize
Start	1002	End	1292
GI	none	Score	167
Exons	1002..1118, 1002..1118, 1003..1122, 1003..1131, 1109..1291, 1122..1292		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o21.tc	Method	TBLASTX:Cress
Start	1171	End	1450
GI	none	Score	166
Exons	1171..1443, 1184..1450		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o5.tc	Method	TBLASTX:Cress
Start	1627	End	2177
GI	none	Score	206
Exons	1627..1773, 1628..1795, 1634..1774, 1769..2173, 1772..2173, 1813..2169, 1962..2177		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	1735	End	2166
GI	none	Score	691
Exons	1735..1779, 1736..2164, 1736..2164, 1813..2166		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o17.tm	Method	TBLASTX:Maize
Start	1772	End	1981
GI	none	Score	221
Exons	1772..1912, 1773..1910, 1916..1981		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o7.ts	Method	TBLASTX:Soybean
Start	1844	End	2288
GI	none	Score	694
Exons	1844..2284, 1845..2150, 1846..2283, 2187..2288		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o11.tm	Method	TBLASTX:Maize
Start	1983	End	2298
GI	none	Score	567
Exons	1983..2150, 1984..2298, 1985..2296		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o6.tc	Method	TBLASTX:Cress
Start	2180	End	2587
GI	none	Score	686
Exons	2180..2587, 2180..2587		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	2672	End	5319
GI	none	Score	75
Exons	2672..2755, 2675..2752, 2677..2757, 2789..2869, 2789..2869, 2868..2990, 2869..2961, 2869..2997, 3022..3219, 3026..3229,		

3026..3223, 3230..3256, 3231..3269, 3263..3436, 3267..3368,
3268..3498, 3269..3511, 3476..3502, 3582..3608, 4439..4933,
4442..5089, 4444..5106, 4450..5088, 5142..5213, 5144..5212,
5147..5221, 5265..5318, 5265..5318, 5281..5319

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o10.ts	Method	TBLASTX:Soybean
Start	2958	End	3634
GI	none	Score	228
Exons	2958..2984, 2995..3174, 3017..3175, 3137..3205, 3211..3270, 3222..3260, 3263..3436, 3268..3498, 3268..3498, 3275..3511, 3476..3502, 3583..3633, 3584..3634		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o7.tm	Method	TBLASTX:Maize
Start	3041	End	3805
GI	none	Score	785
Exons	3041..3547, 3041..3436, 3192..3554, 3265..3552, 3453..3563, 3532..3609, 3543..3608, 3543..3614, 3584..3613, 3601..3651, 3601..3651, 3602..3652, 3642..3773, 3653..3685, 3657..3737, 3731..3772, 3739..3774, 3766..3801, 3779..3805		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o14.tw	Method	TBLASTX:Wheat
Start	3123	End	3372
GI	none	Score	62
Exons	3123..3155, 3123..3290, 3125..3292, 3265..3291, 3291..3359, 3292..3360, 3292..3372, 3293..3361		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	3935	End	5181
GI	none	Score	57
Exons	3935..3979, 3981..4034, 3983..4033, 4041..4079, 4043..4075, 4360..4404, 4361..4423, 4361..4420, 4400..5116, 4412..4933, 4450..5115, 5145..5174, 5146..5181		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o9.tm	Method	TBLASTX:Maize
Start	4445	End	5089
GI	none	Score	967
Exons	4445..5089, 4448..4915, 4507..5088		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o16.tm	Method	TBLASTX:Maize

Start	5255	End	5496
GI	none	Score	290
Exons	5255..5449, 5256..5447, 5451..5495, 5452..5493, 5452..5496		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o4.ts	Method	TBLASTX:Soybean
Start	5404	End	6966
GI	none	Score	75
Exons	5404..5496, 5404..5523, 5499..5645, 5555..5644, 5661..5687, 5764..5811, 5770..5811, 5923..6378, 5941..6510, 5948..6487, 5948..6514, 5958..6512, 6418..6516, 6535..6615, 6558..6614, 6770..6946, 6772..6966		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o16.tc	Method	TBLASTX:Cress
Start	5941	End	6187
GI	none	Score	367
Exons	5941..6186, 5954..6187		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o18.tc	Method	TBLASTX:Cress
Start	6188	End	6393
GI	none	Score	316
Exons	6188..6391, 6188..6391, 6190..6393		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o19.tc	Method	TBLASTX:Cress
Start	6793	End	7235
GI	none	Score	36
Exons	6793..6858, 6844..6882, 6849..6887, 6899..6943, 6986..7222, 6995..7222, 7041..7235, 7093..7224		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	6986	End	7750
GI	none	Score	523
Exons	6986..7696, 6986..7750, 6993..7721, 7057..7743		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o10.tm	Method	TBLASTX:Maize
Start	7184	End	7658
GI	none	Score	662
Exons	7184..7657, 7185..7658		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8

Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o9.tc	Method	TBLASTX:Cress
Start	7478	End	8065
GI	none	Score	295
Exons	7478..7750, 7482..7721, 7733..7792, 7765..7809, 7765..7809, 7792..7965, 7798..7932, 7806..7967, 7806..7976, 7835..7990, 7967..8065, 7968..8063, 7969..8064		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o18.tm	Method	TBLASTX:Maize
Start	7666	End	7928
GI	none	Score	51
Exons	7666..7740, 7685..7744, 7686..7724, 7687..7740, 7794..7922, 7807..7923, 7807..7923, 7809..7928, 7835..7927		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o13.tm	Method	TBLASTX:Maize
Start	7945	End	8232
GI	none	Score	188
Exons	7945..8058, 7946..8062, 7946..8062, 8060..8230, 8061..8231, 8062..8232, 8063..8230		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o16.ts	Method	TBLASTX:Soybean
Start	8020	End	8272
GI	none	Score	91
Exons	8020..8112, 8021..8191, 8030..8191, 8171..8272, 8172..8264, 8176..8265		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	8233	End	9750
GI	none	Score	38
Exons	8233..8265, 8234..8284, 8257..8340, 8277..8339, 8289..8366, 8296..8367, 8351..8368, 8385..8624, 8388..8609, 8407..8625, 8631..8909, 8632..8910, 8648..8911, 8652..8912, 8660..8710, 8684..8962, 8695..8973, 8917..8958, 8918..8956, 8920..9000, 9008..9052, 9013..9066, 9015..9065, 9084..9167, 9085..9732, 9085..9615, 9104..9748, 9315..9749, 9688..9750		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o17.ts	Method	TBLASTX:Soybean
Start	8717	End	8906
GI	none	Score	174
Exons	8717..8902, 8718..8906		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o4.tw	Method	TBLASTX:Wheat
Start	9008	End	9466
GI	none	Score	45
Exons	9008..9052, 9014..9052, 9015..9065, 9063..9083, 9084..9164, 9085..9459, 9104..9457, 9104..9466, 9189..9458		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	9097	End	14802
GI	none	Score	158
Exons	9097..9261, 9097..9309, 9104..9313, 9104..9331, 9304..9510, 9320..9511, 9324..9632, 9326..9547, 9545..9571, 9588..9653, 9639..9941, 9650..9940, 9759..9953, 9929..10030, 9936..10055, 10116..10349, 10132..10494, 10132..10527, 10146..10535, 10151..10537, 10398..10532, 11760..11900, 11761..12141, 11762..12130, 12145..12252, 12315..12449, 12316..12465, 12316..12465, 12375..12470, 12460..12489, 13070..13222, 13074..13307, 13084..13308, 13084..13308, 13312..13338, 13313..13336, 13533..13877, 13586..13876, 13587..13916, 13642..13881, 13822..14031, 13849..14046, 13949..14047, 14018..14164, 14033..14131, 14123..14167, 14125..14166, 14126..14167, 14167..14346, 14169..14345, 14170..14397, 14351..14428, 14352..14429, 14407..14802, 14421..14714		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o11.tc	Method	TBLASTX:Cress
Start	9097	End	9617
GI	none	Score	156
Exons	9097..9309, 9100..9270, 9104..9301, 9304..9513, 9317..9511, 9326..9520, 9331..9519, 9535..9576, 9536..9568, 9579..9617		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o10.tw	Method	TBLASTX:Wheat
Start	9538	End	9902
GI	none	Score	60
Exons	9538..9573, 9539..9577, 9547..9615, 9557..9613, 9559..9615, 9624..9902, 9624..9899, 9641..9901		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o15.tc	Method	TBLASTX:Cress
Start	9643	End	10030
GI	none	Score	114
Exons	9643..9843, 9644..9847, 9651..9848, 9848..9895, 9848..9940, 9849..9941, 9916..9948, 9929..10030, 9936..10028		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8

Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o8.tm	Method	TBLASTX:Maize
Start	9791	End	11630
GI	none	Score	75
Exons	9791..9835, 9792..9836, 9836..10537, 9837..10532, 11574..11630		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o7.tw	Method	TBLASTX:Wheat
Start	10055	End	10446
GI	none	Score	80
Exons	10055..10108, 10057..10107, 10059..10112, 10062..10445, 10063..10446		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o12.tc	Method	TBLASTX:Cress
Start	10064	End	10537
GI	none	Score	48
Exons	10064..10096, 10170..10235, 10215..10535, 10216..10491, 10226..10537, 10230..10529		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o11.tw	Method	TBLASTX:Wheat
Start	10478	End	18629
GI	none	Score	131
Exons	10478..10552, 10479..10553, 10523..10648, 10549..10653, 10553..10648, 10558..10683, 10667..10690, 10669..10692, 10691..10738, 10723..10803, 10734..10796, 10850..10882, 10851..10883, 18543..18629		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o14.tm	Method	TBLASTX:Maize
Start	10847	End	11170
GI	none	Score	352
Exons	10847..11095, 10848..11096, 10855..11166, 10858..11151, 11102..11170		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o13.tc	Method	TBLASTX:Cress
Start	10886	End	12120
GI	none	Score	49
Exons	10886..10927, 10894..10914, 10946..11008, 10964..11008, 11001..11090, 11002..11091, 11005..11097, 11218..11244, 11240..11284, 11393..11455, 11566..11607, 11577..11624, 11697..11939, 11704..12075, 11746..12120, 11747..12103		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8

Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o6.tw	Method	TBLASTX:Wheat
Start	10970	End	11604
GI	none	Score	202
Exons	10970..11128, 10971..11120, 10972..11148, 11095..11181, 11096..11182, 11105..11179, 11167..11280, 11176..11283, 11181..11288, 11290..11499, 11298..11477, 11357..11527, 11367..11537, 11381..11527, 11557..11604, 11571..11603		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o15.tm	Method	TBLASTX:Maize
Start	11211	End	11534
GI	none	Score	59
Exons	11211..11240, 11212..11247, 11212..11244, 11237..11278, 11237..11284, 11241..11339, 11242..11499, 11242..11412, 11369..11527, 11370..11477, 11373..11534, 11381..11515, 11467..11526		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	11674	End	13436
GI	none	Score	37
Exons	11674..11706, 11683..12255, 11685..11903, 11698..12096, 11705..12253, 12148..12255, 12208..12486, 12250..12489, 12469..12927, 12481..12927, 12875..12988, 12919..12993, 12936..12992, 12938..13042, 13007..13225, 13026..13340, 13035..13304, 13042..13341, 13271..13345, 13277..13345, 13306..13395, 13332..13391, 13334..13435, 13347..13436		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o6.gs	Method	GENSCAN
Start	11746	End	23599
GI	none	Score	.41
Exons	11746..12371, 12636..12945, 13125..13288, 13589..13750, 13904..14086, 14777..15020, 15457..15589, 16238..16327, 18064..18340, 20417..20797, 21438..21705, 23498..23599		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o15.np	Method	AAT/NAP
Start	11749	End	12465
GI	133936	Score	1234
Exons	11749..12465		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 gi\|70867\|pir\|\|R3RZ3 ribosomal protein S3 - rice chloroplast gi\|12025\|emb\|CAA33934\| (X15901) ribosomal protein S3 [Oryza sativa] gi\|226646\|prf\|\|1603356BW ribosomal protein S3 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8

Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	12156	End	12921
GI	none	Score	137
Exons	12156..12251, 12157..12489, 12157..12486, 12520..12918, 12526..12921		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o14.tc	Method	TBLASTX:Cress
Start	12351	End	12867
GI	none	Score	129
Exons	12351..12449, 12352..12462, 12359..12463, 12366..12464, 12513..12620, 12535..12831, 12544..12867		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o16.np	Method	AAT/NAP
Start	12523	End	12969
GI	132790	Score	754
Exons	12523..12969		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L22 gi\|71290\|pir\|\|R5RZ22 ribosomal protein L22 - rice chloroplast gi\|12026\|emb\|CAA33935\| (X15901) ribosomal protein L22 [Oryza sativa] gi\|226647\|prf\|\|1603356BX ribosomal protein L22 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o15.ts	Method	TBLASTX:Soybean
Start	12542	End	12870
GI	none	Score	137
Exons	12542..12832, 12544..12870, 12556..12837		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o17.np	Method	AAT/NAP
Start	13041	End	13319
GI	1213601	Score	484
Exons	13041..13319		
GI Descrip.	(X15901) ribosomal protein S19 [Oryza sativa] gi\|226648\|prf\|\|1603356BY ribosomal protein S19 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o7.tc	Method	TBLASTX:Cress
Start	13209	End	14097
GI	none	Score	92
Exons	13209..13307, 13210..13308, 13212..13301, 13447..13497, 13448..13498, 13448..13525, 13449..13505, 13450..13515, 13499..13528, 13499..13528, 13585..13752, 13587..13754, 13587..13757, 13642..13758, 13768..14016, 13772..14011,		

13780..14097, 13949..14017

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o18.np	Method	AAT/NAP
Start	13319	End	13564
GI	82538	Score	439
Exons	13319..13564		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi\|12028\|emb\|CAA33936\| (X15901) ORF82 [Oryza sativa] gi\|12074\|emb\|CAA33926\| (X15901) ORF82 [Oryza sativa] gi\|226650\|prf\|\|1603356CA ORF 82 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o19.np	Method	AAT/NAP
Start	13584	End	15065
GI	1213600	Score	1411
Exons	13584..14011, 14675..15065		
GI Descrip.	(X15901) ribosomal protein L2 [Oryza sativa] gi\|1213602\|emb\|CAA33928\| (X15901) ribosomal protein L2 [Oryza sativa] gi\|226679\|prf\|\|1603356DG ribosomal protein L2 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o4.tm	Method	TBLASTX:Maize
Start	13618	End	14447
GI	none	Score	1254
Exons	13618..14439, 13619..14440, 13642..14442, 14076..14447		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o9.tw	Method	TBLASTX:Wheat
Start	13758	End	14065
GI	none	Score	365
Exons	13758..14033, 13758..14063, 13759..14064, 13759..14064, 13949..14065		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	14352	End	15570
GI	none	Score	251
Exons	14352..14522, 14353..14526, 14353..14547, 14429..14560, 14547..14663, 14548..14667, 14671..14880, 14673..15386, 14676..15386, 15373..15471, 15383..15478, 15391..15477, 15405..15479, 15480..15560, 15484..15570, 15485..15568		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704

Name	OJ990406_08.9819.C8.o5.tm	Method	TBLASTX:Maize
Start	14671	End	15446
GI	none	Score	304
Exons	14671..14880, 14673..14921, 14676..14921, 14750..14923, 14857..14922, 14916..15446, 14925..15446		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o6.ts	Method	TBLASTX:Soybean
Start	14803	End	15380
GI	none	Score	107
Exons	14803..14880, 14805..15380, 14808..15374		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	15042	End	15418
GI	none	Score	598
Exons	15042..15416, 15042..15416, 15043..15417, 15043..15417, 15116..15418		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o20.np	Method	AAT/NAP
Start	15087	End	15365
GI	132804	Score	491
Exons	15087..15365		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L23 gi\|71300\|pir\|\|R5RZ23 ribosomal protein L23 - rice chloroplast gi\|12031\|emb\|CAA33938\| (X15901) ribosomal protein L23 [Oryza sativa] gi\|12071\|emb\|CAA33923\| (X15901) ribosomal protein L23 [Oryza sativa] gi\|226652\|prf\|\|1603356CC ribosomal protein L23 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o15.tw	Method	TBLASTX:Wheat
Start	15419	End	15646
GI	none	Score	104
Exons	15419..15478, 15421..15477, 15485..15646, 15500..15646		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o17.tc	Method	TBLASTX:Cress
Start	15800	End	16208
GI	none	Score	61
Exons	15800..15844, 15804..15839, 15831..15992, 15845..15994, 15846..15992, 15979..16074, 15989..16075, 15989..16102, 15990..16076, 16077..16208, 16079..16159, 16086..16166		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-

Start	11746	End	23704
Name	OJ990406_08.9819.C8.o19.ts	Method	TBLASTX:Soybean
Start	16156	End	16335
GI	none	Score	52
Exons	16156..16185, 16158..16181, 16191..16331, 16194..16331, 16195..16335		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o8.tw	Method	TBLASTX:Wheat
Start	17504	End	17989
GI	none	Score	92
Exons	17504..17581, 17504..17581, 17583..17639, 17583..17639, 17614..17694, 17619..17696, 17621..17698, 17630..17692, 17646..17711, 17656..17697, 17656..17724, 17657..17698, 17684..17704, 17709..17759, 17709..17750, 17710..17802, 17710..17760, 17749..17988, 17756..17989		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o8.ts	Method	TBLASTX:Soybean
Start	17785	End	18278
GI	none	Score	684
Exons	17785..18276, 17795..18193, 17797..18276, 17943..18278		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o23.np	Method	AAT/NAP
Start	17799	End	20040
GI	128657	Score	2583
Exons	17799..18551, 19264..20040		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 2, CHLOROPLAST gi\|66149\|pir\|\|DERZN2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - rice chloroplast gi\|669085\|emb\|CAA33941\| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi\|669089\|emb\|CAA33920\| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi\|226656\|prf\|\|1603356CG NADH dehydrogenase ND2 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o14.ts	Method	TBLASTX:Soybean
Start	19484	End	19710
GI	none	Score	347
Exons	19484..19708, 19484..19708, 19486..19710, 19486..19710		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o9.ts	Method	TBLASTX:Soybean
Start	19711	End	20163
GI	none	Score	448
Exons	19711..20028, 19715..20029, 20016..20093, 20016..20090,		

20033..20092, 20046..20162, 20048..20161, 20077..20163, 20077..20163

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o5.ts	Method	TBLASTX:Soybean
Start	20276	End	21000
GI	none	Score	59
Exons	20276..20323, 20279..20320, 20319..20549, 20323..20568, 20324..20563, 20574..20882, 20575..20820, 20621..20821, 20837..20881, 20873..20995, 20875..21000, 20875..21000		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o8.tc	Method	TBLASTX:Cress
Start	20288	End	20810
GI	none	Score	47
Exons	20288..20323, 20291..20320, 20319..20549, 20323..20568, 20324..20551, 20573..20695, 20574..20687, 20575..20709, 20575..20709, 20687..20713, 20703..20810, 20705..20797		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o24.np	Method	AAT/NAP
Start	20343	End	20810
GI	133999	Score	775
Exons	20343..20810		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 gi\|70904\|pir\|\|R3RZ7 ribosomal protein S7 - rice chloroplast gi\|12037\|emb\|CAA33942\| (X15901) ribosomal protein S7 [Oryza sativa] gi\|12065\|emb\|CAA33919\| (X15901) ribosomal protein S7 [Oryza sativa] gi\|226657\|prf\|\|1603356CH ribosomal protein S7 [Oryza sativa]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o12.gp	Method	AAT/GAP
Start	20513	End	22482
GI	183_5.R1084	Score	2766
Exons	20513..20897, 21438..22482		
GI Descrip.	'133999/sp\|P05424\|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	20602	End	22480
GI	none	Score	756

Exons	20602..21072, 20603..22039, 20621..22033, 21567..22040, 21948..22049, 22095..22178, 22096..22179, 22117..22179, 22121..22180, 22173..22472, 22175..22480, 22178..22480		
Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o13.tw	Method	TBLASTX:Wheat
Start	20677	End	20896
GI	none	Score	99
Exons	20677..20787, 20680..20760, 20681..20764, 20744..20875, 20745..20858, 20746..20859, 20863..20895, 20864..20896		
Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o20.tc	Method	TBLASTX:Cress
Start	20857	End	21017
GI	none	Score	194
Exons	20857..21012, 20868..20978, 20875..21012, 20877..21017		
Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o25.np	Method	AAT/NAP
Start	20875	End	21312
GI	140281	Score	562
Exons	20875..21312		
GI Descrip.	HYPOTHETICAL 16.8 KD PROTEIN (ORF 143) gi\|81821\|pir\|\|S05717 hypothetical protein 143 - soybean chloroplast gi\|11577\|emb\|CAA30522\| (X07675) ORF 143 [Glycine max]		
Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o26.np	Method	AAT/NAP
Start	20875	End	22776
GI	133745	Score	344
Exons	20875..20897, 21438..21674, 22668..22776		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 gi\|70959\|pir\|\|R3LV12 ribosomal protein S12 - liverwort (Marchantia polymorpha) chloroplast gi\|669078\|emb\|CAA27297\| (X03661) ribosomal protein S12 [Marchantia polymorpha] gi\|224923\|prf\|\|1204199B ribosomal protein S12 [Marchantia polymorpha]		
Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o12.ts	Method	TBLASTX:Soybean
Start	21002	End	21404
GI	none	Score	178
Exons	21002..21124, 21003..21125, 21137..21250, 21137..21250, 21249..21404, 21251..21403		
Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704

Name	OJ990406_08.9819.C8.o5.tw	Method	TBLASTX:Wheat
Start	21272	End	21682
GI	none	Score	42
Exons	21272..21331, 21323..21682, 21338..21679		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o27.np	Method	AAT/NAP
Start	21284	End	22258
GI	6723798	Score	167
Exons	21284..21318, 22006..22258		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri] gi\|6723825\|emb\|CAB67236.1\| (AJ271079) hypothetical protein [Oenothera elata subsp. hookeri]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o4.tc	Method	TBLASTX:Cress
Start	21291	End	22040
GI	none	Score	365
Exons	21291..21512, 21291..21779, 21292..21813, 21293..21769, 21293..21814, 21764..21880, 21768..21881, 21769..21795, 21772..21888, 21773..21889, 21825..21893, 21857..21931, 21862..21963, 21895..21942, 21932..22006, 21948..22016, 21958..22002, 21992..22033, 21998..22039, 22020..22040		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o13.ts	Method	TBLASTX:Soybean
Start	21562	End	22675
GI	none	Score	308
Exons	21562..21762, 21563..21769, 21746..21868, 21778..21873, 21779..21868, 21825..21875, 21832..21879, 21895..21930, 21899..21931, 21931..21972, 21938..21973, 21961..22023, 22096..22161, 22098..22163, 22156..22182, 22157..22183, 22190..22294, 22217..22294, 22302..22394, 22321..22377, 22409..22447, 22508..22666, 22509..22664, 22510..22674, 22535..22675		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o22.tc	Method	TBLASTX:Cress
Start	22100	End	22321
GI	none	Score	40
Exons	22100..22135, 22125..22166, 22137..22169, 22159..22296, 22160..22303, 22161..22292, 22162..22293, 22298..22321		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o3.tc	Method	TBLASTX:Cress
Start	22322	End	23704
GI	none	Score	110

Exons	22322..22417, 22322..22408, 22415..22441, 22415..22441, 22417..22446, 22508..22654, 22515..22646, 22549..22647, 22611..22682, 22701..22778, 22702..22782, 22702..22782, 22703..22783, 22775..22846, 22778..22846, 22779..22847, 22802..22909, 22816..22884, 22848..22910, 22906..23037, 22926..23042, 22928..23035, 22932..23090, 22982..23089, 23050..23094, 23108..23155, 23109..23285, 23110..23292, 23193..23294, 23195..23293, 23319..23378, 23321..23380, 23323..23394, 23332..23385, 23387..23503, 23388..23471, 23389..23505, 23473..23598, 23482..23589, 23501..23596, 23511..23603, 23597..23623, 23597..23623, 23601..23636, 23625..23702, 23625..23702, 23627..23704		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o29.np	Method	AAT/NAP
Start	22902	End	23155
GI	2130159	Score	418
Exons	22902..23155		
GI Descrip.	hypothetical protein 85 - maize chloroplast gi\|902275\|emb\|CAA60340\| (X86563) ORF85 [Zea mays] gi\|902296\|emb\|CAA60360\| (X86563) ORF85 [Zea mays]		

Seq. No.	18409	Seq. ID	OJ990406_08.9819.C8
Gene No.	38664	Strand	-
Start	11746	End	23704
Name	OJ990406_08.9819.C8.o12.tw	Method	TBLASTX:Wheat
Start	23407	End	23704
GI	none	Score	76
Exons	23407..23502, 23407..23484, 23473..23544, 23482..23544, 23514..23555, 23518..23604, 23540..23605, 23591..23668, 23608..23664, 23609..23665, 23667..23702, 23667..23702, 23669..23704		

Seq. No.	18410	Seq. ID	OJ990406_08.9819.C9
Gene No.	38665	Strand	+
Start	633	End	1446
Name	OJ990406_08.9819.C9.o1.gp	Method	AAT/GAP
Start	633	End	1102
GI	uC-osf1cyp097b05b1	Score	907
Exons	633..1102		
GI Descrip.	'140503/sp\|P12173\|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	18410	Seq. ID	OJ990406_08.9819.C9
Gene No.	38665	Strand	+
Start	633	End	1446
Name	OJ990406_08.9819.C9.o1.np	Method	AAT/NAP
Start	754	End	1152
GI	140503	Score	692
Exons	754..1152		

GI Descrip. HYPOTHETICAL 14 KD PROTEIN IN YCF68 TRNI INTRON (ORF 133) gi|82518|pir||JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast gi|12041|emb|CAA33945| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|12061|emb|CAA33915| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|226660|prf||1603356CL trnI intron ORF 133 [Oryza sativa]

Seq. No.	18410	Seq. ID	OJ990406_08.9819.C9
Gene No.	38665	Strand	+
Start	633	End	1446
Name	OJ990406_08.9819.C9.o1.gs	Method	GENSCAN
Start	818	End	1446
GI	none	Score	.41
Exons	818..831, 939..1054, 1268..1446		

Seq. No.	18410	Seq. ID	OJ990406_08.9819.C9
Gene No.	38666	Strand	-
Start	1748	End	1865
Name	OJ990406_08.9819.C9.o3.ts	Method	TBLASTX:Soybean
Start	302	End	637
GI	none	Score	34
Exons	302..322, 314..415, 322..417, 421..474, 552..587, 553..588,	323..415, 405..470, 408..470, 591..635, 593..637, 598..636	

Seq. No.	18410	Seq. ID	OJ990406_08.9819.C9
Gene No.	38666	Strand	-
Start	1748	End	1865
Name	OJ990406_08.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	322	End	669
GI	none	Score	129
Exons	322..417, 324..416, 405..491, 523..570, 544..585, 546..590,	408..470, 421..492, 521..574, 576..605, 583..669, 585..668	

Seq. No.	18410	Seq. ID	OJ990406_08.9819.C9
Gene No.	38666	Strand	-
Start	1748	End	1865
Name	OJ990406_08.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	325	End	836
GI	none	Score	301
Exons	325..516, 325..516, 509..589, 564..836, 564..836	523..585, 526..606, 535..834,	

Seq. No.	18410	Seq. ID	OJ990406_08.9819.C9
Gene No.	38666	Strand	-
Start	1748	End	1865
Name	OJ990406_08.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	1047	End	1292
GI	none	Score	159
Exons	1047..1169, 1048..1179, 1048..1185, 1169..1225, 1170..1223, 1232..1291, 1232..1291, 1233..1292, 1233..1292		

Seq. No.	18410	Seq. ID	OJ990406_08.9819.C9
Gene No.	38666	Strand	-
Start	1748	End	1865
Name	OJ990406_08.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	1311	End	1865
GI	none	Score	80

Exons	1311..1340, 1339..1428, 1341..1430, 1342..1431, 1375..1698, 1406..1738, 1427..1696, 1432..1698, 1687..1863, 1695..1865, 1721..1864		
Seq. No.	18410	Seq. ID	OJ990406_08.9819.C9
Gene No.	38666	Strand	-
Start	1748	End	1865
Name	OJ990406_08.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	1631	End	1865
GI	none	Score	305
Exons	1631..1864, 1632..1865, 1633..1863		
Seq. No.	18410	Seq. ID	OJ990406_08.9819.C9
Gene No.	38666	Strand	-
Start	1748	End	1865
Name	OJ990406_08.9819.C9.o2.gp	Method	AAT/GAP
Start	1748	End	1864
GI	688_1.R1084	Score	198
Exons	1748..1864		
GI Descrip.	'226661/prf\|\|1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		
Seq. No.	18411	Seq. ID	OJ990406_08.9819.C10
Gene No.	38667	Strand	+
Start	64	End	366
Name	OJ990406_08.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	50	End	336
GI	none	Score	174
Exons	50..232, 60..335, 63..335, 64..336		
Seq. No.	18411	Seq. ID	OJ990406_08.9819.C10
Gene No.	38667	Strand	+
Start	64	End	366
Name	OJ990406_08.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	50	End	334
GI	none	Score	203
Exons	50..223, 60..257, 61..333, 74..334		
Seq. No.	18411	Seq. ID	OJ990406_08.9819.C10
Gene No.	38667	Strand	+
Start	64	End	366
Name	OJ990406_08.9819.C10.o1.np	Method	AAT/NAP
Start	64	End	366
GI	4150872	Score	413
Exons	64..366		
GI Descrip.	(AJ011848) ndhE protein [Hordeum vulgare]		
Seq. No.	18412	Seq. ID	OJ990406_08.9819.C11
Gene No.	38668	Strand	-
Start	420	End	896
Name	OJ990406_08.9819.C11.o1.gp	Method	AAT/GAP
Start	420	End	896
GI	7587_1.R1084	Score	824
Exons	420..896		
GI Descrip.	'131283/sp\|P12158\|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding		

protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'

Seq. No.	18412	Seq. ID	OJ990406_08.9819.C11
Gene No.	38668	Strand	-
Start	420	End	896
Name	OJ990406_08.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	420	End	825
GI	none	Score	97
Exons	420..482, 420..506, 422..484,	477..824, 477..824, 478..825	

Seq. No.	18412	Seq. ID	OJ990406_08.9819.C11
Gene No.	38668	Strand	-
Start	420	End	896
Name	OJ990406_08.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	475	End	862
GI	none	Score	44
Exons	475..507, 477..506, 502..861,	503..862, 518..862	

Seq. No.	18412	Seq. ID	OJ990406_08.9819.C11
Gene No.	38668	Strand	-
Start	420	End	896
Name	OJ990406_08.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	478	End	863
GI	none	Score	342
Exons	478..861, 496..861, 515..862,	516..863	

Seq. No.	18412	Seq. ID	OJ990406_08.9819.C11
Gene No.	38668	Strand	-
Start	420	End	896
Name	OJ990406_08.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	511	End	862
GI	none	Score	386
Exons	511..861, 511..861, 512..862		

Seq. No.	18412	Seq. ID	OJ990406_08.9819.C11
Gene No.	38668	Strand	-
Start	420	End	896
Name	OJ990406_08.9819.C11.o1.np	Method	AAT/NAP
Start	514	End	896
GI	131283	Score	606
Exons	514..896		
GI Descrip.	PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) gi\|72710\|pir\|\|F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast gi\|11965\|emb\|CAA34014\| (X15901) PSII 43kDa protein [Oryza sativa]		

Seq. No.	18413	Seq. ID	OJ990406_08.9819.C12
Gene No.	38669	Strand	+
Start	151	End	577
Name	OJ990406_08.9819.C12.o2.gp	Method	AAT/GAP
Start	151	End	577
GI	3073_1.R1084	Score	738
Exons	151..577		
GI Descrip.	'133936/sp\|P12146\|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein		

S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'

Seq. No.	18413	Seq. ID	OJ990406_08.9819.C12
Gene No.	38670	Strand	-
Start	203	End	477
Name	OJ990406_08.9819.C12.o1.np	Method	AAT/NAP
Start	203	End	477
GI	1213601	Score	344
Exons	203..477		
GI Descrip.	(X15901) ribosomal protein S19 [Oryza sativa] gi\|226648\|prf\|\|1603356BY ribosomal protein S19 [Oryza sativa]		

Seq. No.	18413	Seq. ID	OJ990406_08.9819.C12
Gene No.	38671	Strand	-
Start	477	End	722
Name	OJ990406_08.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	169	End	590
GI	none	Score	129
Exons	169..255, 188..394, 197..388, 201..401, 204..425, 381..590, 411..470, 434..589		

Seq. No.	18413	Seq. ID	OJ990406_08.9819.C12
Gene No.	38671	Strand	-
Start	477	End	722
Name	OJ990406_08.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	204	End	404
GI	none	Score	40
Exons	204..230, 245..394, 246..404, 255..398		

Seq. No.	18413	Seq. ID	OJ990406_08.9819.C12
Gene No.	38671	Strand	-
Start	477	End	722
Name	OJ990406_08.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	232	End	536
GI	none	Score	154
Exons	232..381, 243..404, 245..469, 246..398, 387..467, 429..536		

Seq. No.	18413	Seq. ID	OJ990406_08.9819.C12
Gene No.	38671	Strand	-
Start	477	End	722
Name	OJ990406_08.9819.C12.o2.np	Method	AAT/NAP
Start	477	End	722
GI	82538	Score	336
Exons	477..722		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi\|12028\|emb\|CAA33936\| (X15901) ORF82 [Oryza sativa] gi\|12074\|emb\|CAA33926\| (X15901) ORF82 [Oryza sativa] gi\|226650\|prf\|\|1603356CA ORF 82 [Oryza sativa]		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38672	Strand	+
Start	49	End	813
Name	OJ990406_08.9819.C13.o1.gs	Method	GENSCAN
Start	49	End	813
GI	none	Score	.89
Exons	49..51, 727..813		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38673	Strand	+
Start	800	End	1126
Name	OJ990406_08.9819.C13.o2.np	Method	AAT/NAP
Start	800	End	1126
GI	226661	Score	567
Exons	800..1126		
GI Descrip.	trnA intron ORF 109 [Oryza sativa]		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38674	Strand	-
Start	353	End	1762
Name	OJ990406_08.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	11	End	473
GI	none	Score	382
Exons	11..343, 32..301, 37..303, 292..471, 300..473, 326..472		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38674	Strand	-
Start	353	End	1762
Name	OJ990406_08.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	46	End	1761
GI	none	Score	143
Exons	46..126, 1391..1495, 1407..1496, 1584..1607, 1584..1607, 1585..1614, 1585..1608, 1592..1753, 1592..1756, 1593..1757, 1593..1757, 1597..1761, 1606..1761		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38674	Strand	-
Start	353	End	1762
Name	OJ990406_08.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	236	End	872
GI	none	Score	324
Exons	236..496, 238..480, 472..600, 475..609, 479..625, 482..604, 594..800, 595..786, 602..790, 785..871, 786..872		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38674	Strand	-
Start	353	End	1762
Name	OJ990406_08.9819.C13.o1.gp	Method	AAT/GAP
Start	353	End	1294
GI	688_1.R1084	Score	1842
Exons	353..1294		
GI Descrip.	'226661/prf\|\|1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38674	Strand	-
Start	353	End	1762
Name	OJ990406_08.9819.C13.o1.np	Method	AAT/NAP
Start	473	End	1367
GI	320577	Score	180
Exons	473..648, 1250..1367		
GI Descrip.	pvs protein 1 - kidney bean mitochondrion gi\|169320 (M64246) ORF-98; putative [Phaseolus vulgaris]		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38674	Strand	-
Start	353	End	1762
Name	OJ990406_08.9819.C13.o2.tc	Method	TBLASTX:Cress
Start	486	End	860
GI	none	Score	155
Exons	486..599, 487..597, 488..598, 597..800, 785..859, 786..860	525..599, 595..789, 596..790,	

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38674	Strand	-
Start	353	End	1762
Name	OJ990406_08.9819.C13.o3.tc	Method	TBLASTX:Cress
Start	971	End	1332
GI	none	Score	40
Exons	971..1006, 977..1006, 978..1010, 982..1095, 994..1104, 1007..1105, 1007..1120, 1020..1121, 1068..1205, 1124..1204, 1156..1212, 1164..1205, 1206..1331, 1207..1332, 1207..1332		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38674	Strand	-
Start	353	End	1762
Name	OJ990406_08.9819.C13.o2.ts	Method	TBLASTX:Soybean
Start	1124	End	1760
GI	none	Score	133
Exons	1124..1240, 1125..1205, 1156..1212, 1219..1248, 1231..1284, 1244..1297, 1245..1298, 1278..1373, 1287..1379, 1290..1367, 1295..1369, 1380..1433, 1381..1431, 1382..1444, 1382..1432, 1444..1494, 1469..1495, 1584..1640, 1584..1640, 1585..1641, 1586..1642, 1647..1760, 1655..1759		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38674	Strand	-
Start	353	End	1762
Name	OJ990406_08.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	1332	End	1496
GI	none	Score	267
Exons	1332..1496, 1344..1493		

Seq. No.	18414	Seq. ID	OJ990406_08.9819.C13
Gene No.	38674	Strand	-
Start	353	End	1762
Name	OJ990406_08.9819.C13.o4.tc	Method	TBLASTX:Cress
Start	1341	End	1762
GI	none	Score	191
Exons	1341..1466, 1345..1467, 1346..1468, 1350..1469, 1399..1494, 1469..1495, 1470..1496, 1585..1617, 1586..1621, 1592..1744, 1593..1745, 1597..1752, 1606..1752, 1745..1762		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38675	Strand	+
Start	1320	End	1555
Name	OJ990406_08.9819.C14.o1.np	Method	AAT/NAP
Start	1320	End	1555
GI	1334480	Score	122
Exons	1320..1555		
GI Descrip.	(Z47547) unique orf [Chondrus crispus]		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38676	Strand	+
Start	2582	End	2711
Name	OJ990406_08.9819.C14.o2.np	Method	AAT/NAP
Start	2582	End	2711
GI	1334366	Score	155
Exons	2582..2711		
GI Descrip.	(X02441) gtg start [Nicotiana tabacum]		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38677	Strand	+
Start	2711	End	2779
Name	OJ990406_08.9819.C14.o3.np	Method	AAT/NAP
Start	2711	End	2779
GI	82521	Score	112
Exons	2711..2779		
GI Descrip.	hypothetical 2.5K protein (trnR-rps15 intergenic region) - rice chloroplast gi\|2130153\|pir\|\|S58624 hypothetical protein 23 - maize chloroplast gi\|12043\|emb\|CAA33946\| (X15901) ORF23 [Oryza sativa] gi\|12059\|emb\|CAA33914\| (X15901) ORF23 [Oryza sativa] gi\|902278\|emb\|CAA60343\| (X86563) ORF23 [Zea mays] gi\|902293\|emb\|CAA60357\| (X86563) ORF23 [Zea mays] gi\|226662\|prf\|\|1603356CN ORF		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38678	Strand	+
Start	3902	End	4090
Name	OJ990406_08.9819.C14.o5.np	Method	AAT/NAP
Start	3902	End	4090
GI	82533	Score	336
Exons	3902..4090		
GI Descrip.	hypothetical 7.5K protein (trnR-rps15 intergenic region) - rice chloroplast gi\|12044\|emb\|CAA33947\| (X15901) ORF63 [Oryza sativa] gi\|12058\|emb\|CAA33913\| (X15901) ORF63 [Oryza sativa] gi\|226664\|prf\|\|1603356CQ ORF 63A [Oryza sativa]		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38679	Strand	+
Start	4146	End	4580
Name	OJ990406_08.9819.C14.o4.gp	Method	AAT/GAP
Start	4146	End	4580
GI	5886_1.R1084	Score	840
Exons	4146..4580		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38680	Strand	+
Start	4925	End	6103
Name	OJ990406_08.9819.C14.o6.np	Method	AAT/NAP
Start	4925	End	6103
GI	128835	Score	2077
Exons	4925..6103		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE 49 KD SUBUNIT, CHLOROPLAST (ORF 393) gi\|66200\|pir\|\|DERZ49 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) 49K protein - rice chloroplast		

gi|12056|emb|CAA33911| (X15901) NADH dehydrogenase 49kDa protein [Oryza sativa] gi|226677|prf||1603356DE NADH dehydrogenase 49kD protein [Oryza sativa]

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14												
Gene No.	38681	Strand	+												
Start	6108	End	8181												
Name	OJ990406_08.9819.C14.o7.np	Method	AAT/NAP												
Start	6108	End	8181												
GI	128620	Score	1776												
Exons	6108..6657, 7646..8181														
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi	66139	pir		DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi	669087	emb	CAA33910	(X15901) NADH dehydrogenase ND1 [Oryza sativa] gi	226676	prf		1603356DD NADH dehydrogenase ND1 [Oryza sativa]		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14		
Gene No.	38681	Strand	+		
Start	6108	End	8181		
Name	OJ990406_08.9819.C14.o6.gp	Method	AAT/GAP		
Start	7050	End	7252		
GI	6012822	Score	337		
Exons	7050..7252				
GI Descrip.	11957/emb	X15901	CHOSXX 1.0e-52 Rice complete chloroplast genome		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14								
Gene No.	38682	Strand	+								
Start	8279	End	8818								
Name	OJ990406_08.9819.C14.o8.np	Method	AAT/NAP								
Start	8279	End	8818								
GI	1171861	Score	960								
Exons	8279..8818										
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT I (FRXB PROTEIN) gi	1363565	pir		S58619 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - maize chloroplast gi	902288	emb	CAA60352	(X86563) NADH dehydrogenase subunit [Zea mays]		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14												
Gene No.	38683	Strand	+												
Start	9064	End	9591												
Name	OJ990406_08.9819.C14.o9.np	Method	AAT/NAP												
Start	9064	End	9591												
GI	128803	Score	895												
Exons	9064..9591														
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 6, CHLOROPLAST gi	66198	pir		DERZN6 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 6 - rice chloroplast gi	12053	emb	CAA33908	(X15901) NADH dehydrogenase ND6 [Oryza sativa] gi	226674	prf		1603356DB NADH dehydrogenase ND6 [Oryza sativa]		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38684	Strand	+
Start	9804	End	10106
Name	OJ990406_08.9819.C14.o10.np	Method	AAT/NAP
Start	9804	End	10106
GI	128874	Score	490

Exons	9804..10106		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 4L, CHLOROPLAST gi\|66168\|pir\|\|DERZNL NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4L - rice chloroplast gi\|12052\|emb\|CAA33955\| (X15901) NADH dehydrogenase ND4L [Oryza sativa] gi\|226673\|prf\|\|1603356DA NADH dehydrogenase ND4L [Oryza sativa]		
Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38685	Strand	+
Start	10556	End	10798
Name	OJ990406_08.9819.C14.o11.np	Method	AAT/NAP
Start	10556	End	10798
GI	131164	Score	449
Exons	10556..10798		
GI Descrip.	PHOTOSYSTEM I IRON-SULFUR CENTER (PHOTOSYSTEM I SUBUNIT VII) (9 KD POLYPEPTIDE) (PSI-C) gi\|65727\|pir\|\|FERZA photosystem I iron-sulfur protein psaC - rice chloroplast gi\|65728\|pir\|\|FEWT1 photosystem I iron-sulfur protein psaC - wheat chloroplast gi\|12051\|emb\|CAA33954\| (X15901) PSI 9kDa protein [Oryza sativa] gi\|12350\|emb\|CAA31555\| (X13158) photosystem I 8 kDa subunit		
Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38686	Strand	+
Start	10921	End	12420
Name	OJ990406_08.9819.C14.o12.np	Method	AAT/NAP
Start	10921	End	12420
GI	128732	Score	2574
Exons	10921..12420		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 4, CHLOROPLAST gi\|66181\|pir\|\|DERZN4 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4 - rice chloroplast gi\|12050\|emb\|CAA33953\| (X15901) NADH dehydrogenase ND4 [Oryza sativa] gi\|226670\|prf\|\|1603356CX NADH dehydrogenase ND4 [Oryza sativa]		
Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38687	Strand	+
Start	15185	End	17386
Name	OJ990406_08.9819.C14.o16.np	Method	AAT/NAP
Start	15185	End	17386
GI	128769	Score	3774
Exons	15185..17386		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 5, CHLOROPLAST gi\|66190\|pir\|\|DERZN5 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 5 - rice chloroplast gi\|12047\|emb\|CAA33950\| (X15901) NADH dehydrogenase ND5 [Oryza sativa] gi\|226667\|prf\|\|1603356CU NADH dehydrogenase ND5 [Oryza sativa]		
Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38688	Strand	+
Start	17350	End	17791
Name	OJ990406_08.9819.C14.o7.gp	Method	AAT/GAP
Start	17350	End	17791
GI	LIB3431-005-P1-N1-A5	Score	853
Exons	17350..17791		
GI Descrip.	'131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice		

chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38689	Strand	-
Start	1076	End	1676
Name	OJ990406_08.9819.C14.o2.gp	Method	AAT/GAP
Start	1076	End	1676
GI	1629_2.R1084	Score	467
Exons	1076..1327, 1622..1676		
GI Descrip.	'1245217/gb\|U49840\|OSU49840 1.0e-170 Oryza sativa subsp. indica large ribosomal RNA gene, chloroplast gene encoding chloroplast rRNA, partial sequence'		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38689	Strand	-
Start	1076	End	1676
Name	OJ990406_08.9819.C14.o3.gp	Method	AAT/GAP
Start	1293	End	1660
GI	2801230	Score	596
Exons	1293..1660		
GI Descrip.	11957/emb\|X15901\|CHOSXX 1.0e-165 Rice complete chloroplast genome		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38690	Strand	-
Start	2878	End	3102
Name	OJ990406_08.9819.C14.o4.np	Method	AAT/NAP
Start	2878	End	3102
GI	82227	Score	174
Exons	2878..3102		
GI Descrip.	hypothetical protein 75 - common tobacco chloroplast gi\|11786\|emb\|CAA26288\| (X02441) unidentified reading frame ORF 75 [Nicotiana tabacum] gi\|11880\|emb\|CAA77393\| (Z00044) hypothetical protein [Nicotiana tabacum] gi\|473681 (M23767) ORF 75; putative [Nicotiana tabacum] gi\|1223679\|emb\|CAA77400\| (Z00044) hypothetical protein [Nicotiana tabacum] gi\|225251\|prf\|\|1211235CK ORF 75 [Ni		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38691	Strand	-
Start	4727	End	5099
Name	OJ990406_08.9819.C14.o5.gp	Method	AAT/GAP
Start	4727	End	5099
GI	LIB3431-005-P1-N1-A5	Score	695
Exons	4727..5099		
GI Descrip.	'131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14

Gene No.	38692	Strand	-
Start	12623	End	13585
Name	OJ990406_08.9819.C14.o13.np	Method	AAT/NAP
Start	12623	End	13585
GI	140298	Score	1685
Exons	12623..13585		
GI Descrip.	CYTOCHROME C BIOGENESIS PROTEIN CCSA gi\|82524\|pir\|\|JQ0288 hypothetical 36.7K protein (trnL-trnN intergenic region) - rice chloroplast gi\|12049\|emb\|CAA33952\| (X15901) ORF321 [Oryza sativa] gi\|226669\|prf\|\|1603356CW ORF 321 [Oryza sativa]		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38693	Strand	-
Start	13658	End	13762
Name	OJ990406_08.9819.C14.o14.np	Method	AAT/NAP
Start	13658	End	13762
GI	18023	Score	108
Exons	13658..13762		
GI Descrip.	(X02442) unidentified reading frame ORF 35 [Nicotiana tabacum] gi\|897641 (M23767) unknown protein [Nicotiana tabacum]		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38694	Strand	-
Start	14281	End	14469
Name	OJ990406_08.9819.C14.o15.np	Method	AAT/NAP
Start	14281	End	14469
GI	132889	Score	322
Exons	14281..14469		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L32 gi\|279659\|pir\|\|R5RZ32 ribosomal protein L32 - rice chloroplast gi\|12048\|emb\|CAA33951\| (X15901) ORF63 [Oryza sativa] gi\|226668\|prf\|\|1603356CV ORF 63B [Oryza sativa]		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38695	Strand	-
Start	17423	End	17593
Name	OJ990406_08.9819.C14.o3.gs	Method	GENSCAN
Start	17423	End	17551
GI	none	Score	.47
Exons	17423..17551		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38695	Strand	-
Start	17423	End	17593
Name	OJ990406_08.9819.C14.o17.np	Method	AAT/NAP
Start	17426	End	17593
GI	82532	Score	295
Exons	17426..17593		
GI Descrip.	hypothetical 6K protein (rps15-trnL intergenic region) - rice chloroplast gi\|12046\|emb\|CAA33949\| (X15901) ORF56; 5' portion of ORF393 [Oryza sativa] gi\|226666\|prf\|\|1603356CT ORF 393 N term [Oryza sativa]		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o14.tc	Method	TBLASTX:Cress

Start	62	End	437
GI	none	Score	264
Exons	62..127, 64..138, 66..266, 182..265, 187..267, 338..385, 339..401, 357..416, 408..437		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o10.tm	Method	TBLASTX:Maize
Start	116	End	268
GI	none	Score	221
Exons	116..265, 117..266, 118..267, 184..267, 185..268		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	174	End	618
GI	none	Score	147
Exons	174..266, 185..268, 185..265, 187..267, 338..610, 339..611, 340..612, 492..536, 493..537, 585..617, 586..618		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o4.tm	Method	TBLASTX:Maize
Start	337	End	618
GI	none	Score	482
Exons	337..615, 339..617, 339..617, 340..618, 492..536, 493..537		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o15.tc	Method	TBLASTX:Cress
Start	731	End	883
GI	none	Score	190
Exons	731..883, 733..882		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o6.tc	Method	TBLASTX:Cress
Start	1075	End	1451
GI	none	Score	245
Exons	1075..1206, 1076..1216, 1077..1220, 1148..1222, 1197..1451, 1207..1425, 1212..1451		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o7.tm	Method	TBLASTX:Maize
Start	1075	End	1249
GI	none	Score	295
Exons	1075..1248, 1076..1249		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-

Start	17735	End	17909
Name	OJ990406_08.9819.C14.o8.ts	Method	TBLASTX:Soybean
Start	1075	End	1379
GI	none	Score	81
Exons	1075..1146, 1076..1147, 1083..1202, 1090..1206, 1100..1216, 1148..1222, 1208..1357, 1212..1379		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	1461	End	1923
GI	none	Score	59
Exons	1461..1514, 1462..1515, 1466..1561, 1476..1514, 1506..1634, 1516..1863, 1517..1858, 1674..1859, 1845..1922, 1851..1922, 1852..1923, 1852..1923		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	1710	End	2060
GI	none	Score	197
Exons	1710..1847, 1718..1855, 1720..1848, 1722..1856, 1763..2044, 1845..2051, 1845..2060, 1846..2055		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o4.tw	Method	TBLASTX:Wheat
Start	1924	End	2049
GI	none	Score	220
Exons	1924..2049, 1926..2048		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o10.tc	Method	TBLASTX:Cress
Start	1997	End	2502
GI	none	Score	55
Exons	1997..2044, 1997..2035, 2092..2199, 2096..2173, 2107..2199, 2156..2350, 2174..2353, 2175..2351, 2386..2436, 2387..2437, 2425..2499, 2446..2502		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o15.ts	Method	TBLASTX:Soybean
Start	2434	End	2757
GI	none	Score	82
Exons	2434..2484, 2436..2486, 2579..2668, 2581..2670, 2584..2670, 2585..2671, 2674..2757, 2675..2755		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o5.tm	Method	TBLASTX:Maize

Start	2463	End	2743
GI	none	Score	367
Exons	2463..2690, 2463..2672, 2465..2701, 2465..2689, 2646..2741, 2668..2742, 2669..2743, 2670..2741, 2671..2742		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o6.tm	Method	TBLASTX:Maize
Start	4196	End	4466
GI	none	Score	256
Exons	4196..4417, 4196..4309, 4197..4418, 4315..4365, 4318..4365, 4407..4466, 4407..4466		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	4537	End	17876
GI	none	Score	168
Exons	4537..4773, 4549..4779, 4556..4780, 4912..5436, 4917..5651, 4918..6162, 4919..6190, 6094..6201, 6096..6191, 6197..6580, 6202..6507, 6249..6578, 6550..6579, 17423..17578, 17426..17599, 17433..17600, 17433..17606, 17738..17875, 17739..17876		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o9.tm	Method	TBLASTX:Maize
Start	4677	End	17841
GI	none	Score	175
Exons	4677..4787, 4677..4793, 4678..4788, 4678..4815, 4715..4807, 4799..4864, 4804..4869, 4821..4886, 4840..4878, 4881..4907, 4882..4908, 4904..4960, 4915..4959, 4919..4960, 17558..17617, 17558..17599, 17559..17603, 17610..17636, 17617..17637, 17632..17691, 17640..17678, 17649..17714, 17654..17719, 17703..17840, 17711..17803, 17731..17841, 17731..17832		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o3.tc	Method	TBLASTX:Cress
Start	5405	End	5860
GI	none	Score	126
Exons	5405..5467, 5407..5469, 5479..5853, 5480..5857, 5705..5860		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	5972	End	8376
GI	none	Score	288
Exons	5972..6193, 5972..6193, 6094..6195, 6197..6655, 6249..6656, 6451..6675, 7643..7723, 7645..7989, 7651..7989, 7653..7991, 7778..7996, 7948..8145, 7983..8183, 7989..8180, 8201..8374, 8211..8375, 8248..8376, 8257..8376		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o3.ts	Method	TBLASTX:Soybean
Start	6658	End	8188
GI	none	Score	40
Exons	6658..6780, 6731..6781, 6766..6828, 6789..6827, 6876..6911, 6881..6913, 6945..7013, 6964..7026, 6979..7011, 7105..7188, 7107..7175, 7108..7182, 7346..7384, 7400..7435, 7436..7471, 7546..8145, 7551..7610, 7552..8163, 7566..8186, 7644..8186, 7766..8188		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o14.ts	Method	TBLASTX:Soybean
Start	8281	End	8476
GI	none	Score	177
Exons	8281..8475, 8287..8475, 8288..8476		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	8459	End	10750
GI	none	Score	67
Exons	8459..8512, 10303..10719, 10304..10720, 10691..10750		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o7.ts	Method	TBLASTX:Soybean
Start	8478	End	8728
GI	none	Score	124
Exons	8478..8600, 8478..8603, 8479..8604, 8480..8602, 8595..8717, 8595..8726, 8603..8728, 8603..8728		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o12.ts	Method	TBLASTX:Soybean
Start	9187	End	9448
GI	none	Score	135
Exons	9187..9282, 9189..9281, 9265..9447, 9279..9446, 9286..9447, 9287..9448		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o16.tc	Method	TBLASTX:Cress
Start	9396	End	9621
GI	none	Score	218
Exons	9396..9593, 9397..9600, 9397..9621		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909

Name	OJ990406_08.9819.C14.o5.ts	Method	TBLASTX:Soybean
Start	9556	End	11057
GI	none	Score	328
Exons	9556..9627, 9757..9990, 9767..10108, 9768..10109, 10366..10401, 10428..10481, 10434..10478, 10519..10821, 10541..10849, 10870..10914, 10874..10915, 10914..11057, 10915..11040		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o12.tc	Method	TBLASTX:Cress
Start	9766	End	10091
GI	none	Score	210
Exons	9766..9996, 9766..9990, 9767..10090, 9768..10091		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o3.tw	Method	TBLASTX:Wheat
Start	10297	End	10533
GI	none	Score	78
Exons	10297..10344, 10298..10348, 10298..10348, 10344..10433, 10352..10423, 10360..10434, 10432..10479, 10435..10485, 10436..10489, 10437..10490, 10488..10532, 10489..10533, 10489..10533		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o8.tc	Method	TBLASTX:Cress
Start	10540	End	11057
GI	none	Score	213
Exons	10540..10743, 10540..10743, 10541..10744, 10738..10827, 10739..10816, 10897..10914, 10914..11057, 10915..11055		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o13.ts	Method	TBLASTX:Soybean
Start	11058	End	11333
GI	none	Score	270
Exons	11058..11333, 11065..11301, 11237..11332		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o13.tc	Method	TBLASTX:Cress
Start	11083	End	11364
GI	none	Score	106
Exons	11083..11157, 11090..11203, 11090..11203, 11091..11204, 11203..11364, 11205..11363		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o8.tm	Method	TBLASTX:Maize
Start	11287	End	16027

GI	none	Score	163
Exons	11287..11481, 11343..11480, 11575..11730, 11589..11729, 15917..16027		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o4.ts	Method	TBLASTX:Soybean
Start	11334	End	16042
GI	none	Score	443
Exons	11334..11834, 11334..11759, 11335..11835, 11335..11835, 15902..16042		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o4.tc	Method	TBLASTX:Cress
Start	11365	End	11904
GI	none	Score	48
Exons	11365..11475, 11446..11859, 11450..11740, 11454..11903, 11457..11837, 11461..11904		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o5.tc	Method	TBLASTX:Cress
Start	11956	End	12414
GI	none	Score	580
Exons	11956..12414, 11958..12311		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	12035	End	12486
GI	none	Score	549
Exons	12035..12457, 12036..12458, 12037..12459, 12037..12486		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o11.ts	Method	TBLASTX:Soybean
Start	12115	End	12369
GI	none	Score	317
Exons	12115..12366, 12117..12305, 12131..12361, 12133..12369		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o7.tc	Method	TBLASTX:Cress
Start	12630	End	13267
GI	none	Score	268
Exons	12630..12860, 12630..12812, 12632..12859, 12876..12962, 12899..12976, 12901..12990, 13061..13258, 13089..13256, 13089..13265, 13136..13267		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14

Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	12632	End	13586
GI	none	Score	339
Exons	12632..13003, 12633..13007, 12749..13015, 13058..13258, 13092..13256, 13116..13295, 13136..13300, 13295..13489, 13298..13492, 13299..13499, 13497..13586, 13550..13585		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o11.tc	Method	TBLASTX:Cress
Start	15158	End	15486
GI	none	Score	320
Exons	15158..15223, 15172..15486, 15173..15472		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o9.ts	Method	TBLASTX:Soybean
Start	15179	End	15465
GI	none	Score	366
Exons	15179..15463, 15181..15465, 15184..15465		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o6.ts	Method	TBLASTX:Soybean
Start	15543	End	15900
GI	none	Score	395
Exons	15543..15884, 15544..15900, 15545..15850		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o9.tc	Method	TBLASTX:Cress
Start	15661	End	16113
GI	none	Score	424
Exons	15661..16113, 15662..16054, 15670..16035		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o2.tc	Method	TBLASTX:Cress
Start	16133	End	16624
GI	none	Score	684
Exons	16133..16624, 16137..16463, 16207..16623		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o10.ts	Method	TBLASTX:Soybean
Start	16295	End	16537
GI	none	Score	358
Exons	16295..16537, 16295..16471, 16297..16536		

Seq. No.	18415	Seq. ID	OJ990406_08.9819.C14
Gene No.	38696	Strand	-
Start	17735	End	17909
Name	OJ990406_08.9819.C14.o18.np	Method	AAT/NAP
Start	17735	End	17909
GI	133799	Score	209
Exons	17735..17909		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S15 gi\|70994\|pir\|\|R3RZ15 ribosomal protein S15 - rice chloroplast gi\|12045\|emb\|CAA33948\| (X15901) ribosomal protein S15 [Oryza sativa] gi\|12057\|emb\|CAA33912\| (X15901) ribosomal protein S15 [Oryza sativa] gi\|226665\|prf\|\|1603356CR ribosomal protein S15 [Oryza sativa]		

Seq. No.	18416	Seq. ID	OJ990406_08.9819.C15
Gene No.	38697	Strand	-
Start	525	End	674
Name	OJ990406_08.9819.C15.o1.gs	Method	GENSCAN
Start	525	End	674
GI	none	Score	.91
Exons	525..674		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38698	Strand	-
Start	1	End	707
Name	OJ990406_08.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	643
GI	4097505	Score	998
Exons	1..643		
GI Descrip.	(U63020) D1 protein [Magnolia pyramidata]		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38698	Strand	-
Start	1	End	707
Name	OJ990406_08.9819.C16.o1.gs	Method	GENSCAN
Start	133	End	643
GI	none	Score	.7
Exons	133..643		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38698	Strand	-
Start	1	End	707
Name	OJ990406_08.9819.C16.o1.gp	Method	AAT/GAP
Start	254	End	707
GI	24570_1.R1084	Score	908
Exons	254..707		
GI Descrip.	'131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456

Name	OJ990406_08.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	72	End	687
GI	none	Score	197
Exons	72..248, 74..253, 74..247, 76..264, 230..655, 249..674, 652..687		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	215	End	711
GI	none	Score	799
Exons	215..706, 216..704, 217..711, 532..708		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	396	End	711
GI	none	Score	429
Exons	396..701, 396..692, 398..700, 532..711		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o2.gs	Method	GENSCAN
Start	1168	End	1944
GI	none	Score	.56
Exons	1168..1378, 1480..1624, 1662..1944		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o2.np	Method	AAT/NAP
Start	1171	End	2456
GI	140506	Score	2255
Exons	1171..2456		
GI Descrip.	PROBABLE INTRON MATURASE gi\|82531\|pir\|\|JQ0201 hypothetical 65K protein (trnK intron) - rice chloroplast gi\|11959\|emb\|CAA34008\| (X15901) ORF542; ORF within trnK intron [Oryza sativa] gi\|226626\|prf\|\|1603356B trnK intron ORF 542 [Oryza sativa]		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o3.ts	Method	TBLASTX:Soybean
Start	1180	End	1549
GI	none	Score	257
Exons	1180..1542, 1184..1549, 1328..1549		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	1241	End	1636
GI	none	Score	277
Exons	1241..1435, 1248..1430, 1418..1612, 1422..1613, 1426..1614, 1428..1613, 1429..1614, 1608..1634, 1608..1634, 1609..1635,		

1610..1636

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o2.tm	Method	TBLASTX:Maize
Start	1468	End	1734
GI	none	Score	358
Exons	1468..1734, 1470..1733		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o2.ts	Method	TBLASTX:Soybean
Start	1688	End	2134
GI	none	Score	137
Exons	1688..1936, 1689..1898, 1828..1947, 1941..2087, 1951..2094, 1985..2128, 2078..2134		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o2.tc	Method	TBLASTX:Cress
Start	1862	End	2344
GI	none	Score	35
Exons	1862..1906, 1863..2018, 1864..2025, 2013..2081, 2016..2081, 2023..2082, 2097..2330, 2100..2339, 2152..2343, 2165..2344, 2273..2344		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	1902	End	2282
GI	none	Score	387
Exons	1902..2282, 1903..2181, 1905..2282		

Seq. No.	18417	Seq. ID	OJ990406_08.9819.C16
Gene No.	38699	Strand	-
Start	1168	End	2456
Name	OJ990406_08.9819.C16.o4.ts	Method	TBLASTX:Soybean
Start	2157	End	2452
GI	none	Score	97
Exons	2157..2354, 2166..2333, 2171..2347, 2361..2435, 2368..2421, 2426..2452		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38700	Strand	+
Start	3868	End	3997
Name	OJ990406_08.9819.C17.o2.np	Method	AAT/NAP
Start	3868	End	3997
GI	131358	Score	204
Exons	3868..3997		
GI Descrip.	PHOTOSYSTEM II 4 KD REACTION CENTER PROTEIN PRECURSOR gi\|72700\|pir\|\|F2RZKS photosystem II protein psbK - rice chloroplast gi\|11961\|emb\|CAA34010\| (X15901) PSII K protein [Oryza sativa] gi\|226672\|prf\|\|1603356D photosystem II K protein		

[Oryza sativa]

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38701	Strand	-
Start	462	End	730
Name	OJ990406_08.9819.C17.o1.gp	Method	AAT/GAP
Start	462	End	730
GI	40596_1.R1084	Score	450
Exons	462..730		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38702	Strand	-
Start	1300	End	2570
Name	OJ990406_08.9819.C17.o1.np	Method	AAT/NAP
Start	1300	End	2364
GI	133806	Score	387
Exons	1300..1514, 2325..2364		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 gi\|282999\|pir\|\|S28766 ribosomal protein S16 - barley chloroplast gi\|11603\|emb\|CAA36973\| (X52765) ribosomal protein rps16 [Hordeum vulgare]		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38702	Strand	-
Start	1300	End	2570
Name	OJ990406_08.9819.C17.o2.gp	Method	AAT/GAP
Start	1324	End	2570
GI	uC-osflcyp086a01a1	Score	851
Exons	1324..1514, 2325..2570		
GI Descrip.	'133806/sp\|P25875\|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38703	Strand	-
Start	2651	End	3101
Name	OJ990406_08.9819.C17.o5.tm	Method	TBLASTX:Maize
Start	73	End	306
GI	none	Score	50
Exons	73..105, 73..105, 74..106, 125..214, 126..218, 130..225, 201..227, 201..245, 223..306, 225..299		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38703	Strand	-
Start	2651	End	3101
Name	OJ990406_08.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	202	End	749
GI	none	Score	49
Exons	202..252, 207..254, 214..255, 256..297, 256..294, 257..301, 267..302, 386..478, 395..478, 396..482, 402..494, 406..519, 501..545, 570..611, 571..609, 598..741, 600..749, 600..740		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38703	Strand	-

Start	2651	End	3101
Name	OJ990406_08.9819.C17.o3.tm	Method	TBLASTX:Maize
Start	454	End	714
GI	none	Score	122
Exons	454..477, 466..543, 474..569, 514..714, 534..713		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38703	Strand	-
Start	2651	End	3101
Name	OJ990406_08.9819.C17.o4.tm	Method	TBLASTX:Maize
Start	715	End	1089
GI	none	Score	68
Exons	715..756, 716..757, 717..758, 754..795, 755..820, 809..847, 812..850, 823..861, 834..911, 835..915, 851..910, 852..914, 909..953, 933..1031, 943..1038, 944..1039, 980..1039, 1036..1089		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38703	Strand	-
Start	2651	End	3101
Name	OJ990406_08.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	1318	End	2441
GI	none	Score	251
Exons	1318..1557, 1319..1546, 1342..1548, 1519..1590, 1524..1616, 1528..1626, 1786..1833, 1831..1881, 1839..1880, 1884..1916, 2034..2141, 2055..2156, 2159..2197, 2161..2199, 2210..2272, 2219..2272, 2247..2306, 2261..2311, 2303..2377, 2303..2392, 2417..2437, 2418..2441		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38703	Strand	-
Start	2651	End	3101
Name	OJ990406_08.9819.C17.o2.tc	Method	TBLASTX:Cress
Start	1392	End	1580
GI	none	Score	44
Exons	1392..1445, 1393..1572, 1394..1579, 1485..1580		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38703	Strand	-
Start	2651	End	3101
Name	OJ990406_08.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	1921	End	2550
GI	none	Score	113
Exons	1921..2016, 1922..2005, 2008..2151, 2028..2195, 2061..2198, 2075..2209, 2171..2449, 2183..2443, 2197..2451, 2439..2471, 2472..2504, 2472..2522, 2473..2505, 2500..2547, 2506..2550		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38703	Strand	-
Start	2651	End	3101
Name	OJ990406_08.9819.C17.o3.gp	Method	AAT/GAP
Start	2651	End	3101
GI	uC-osflcyp086a01b1	Score	902
Exons	2651..3101		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17

Gene No.	38704	Strand	
Start	3634	End	3996
Name	OJ990406_08.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	3634	End	3996
GI	none	Score	142
Exons	3634..3801, 3643..3750, 3650..3796, 3743..3808, 3746..3802, 3768..3995, 3795..3995, 3823..3996		

Seq. No.	18418	Seq. ID	OJ990406_08.9819.C17
Gene No.	38704	Strand	
Start	3634	End	3996
Name	OJ990406_08.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	3679	End	3954
GI	none	Score	112
Exons	3679..3819, 3680..3778, 3746..3820, 3749..3952, 3770..3952, 3772..3954, 3823..3954		

Seq. No.	18419	Seq. ID	OJ990406_08.9819.C18
Gene No.	38705	Strand	+
Start	312	End	334
Name	OJ990406_08.9819.C18.o1.gs	Method	GENSCAN
Start	312	End	334
GI	none	Score	.9
Exons	312..334		

Seq. No.	18419	Seq. ID	OJ990406_08.9819.C18
Gene No.	38706	Strand	-
Start	181	End	543
Name	OJ990406_08.9819.C18.o1.gp	Method	AAT/GAP
Start	181	End	543
GI	2135_1.R1084	Score	699
Exons	181..543		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	18419	Seq. ID	OJ990406_08.9819.C18
Gene No.	38707	Strand	-
Start	711	End	865
Name	OJ990406_08.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	189	End	864
GI	none	Score	102
Exons	189..302, 195..305, 258..335, 262..342, 266..343, 331..426, 336..440, 336..482, 422..553, 422..559, 432..560, 444..560, 469..561, 561..686, 561..674, 563..676, 645..863, 646..864, 646..864		

Seq. No.	18419	Seq. ID	OJ990406_08.9819.C18
Gene No.	38707	Strand	-
Start	711	End	865
Name	OJ990406_08.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	237	End	714
GI	none	Score	43
Exons	237..341, 239..274, 264..350, 268..354, 271..351, 351..434, 353..463, 354..434, 437..559, 437..559, 438..560, 469..561, 550..597, 559..597, 594..713, 594..713, 598..714		

Seq. No.	18419	Seq. ID	OJ990406_08.9819.C18

Gene No.	38707	Strand	-
Start	711	End	865
Name	OJ990406_08.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	264	End	865
GI	none	Score	56
Exons	264..335, 269..328, 270..338, 367..426, 426..497, 429..473, 505..558, 507..554, 550..621, 694..750, 713..865, 714..863	358..405, 360..407, 366..407, 434..517, 466..519, 504..557, 564..623, 564..617, 565..618,	

Seq. No.	18419	Seq. ID	OJ990406_08.9819.C18
Gene No.	38707	Strand	-
Start	711	End	865
Name	OJ990406_08.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	461	End	863
GI	none	Score	58
Exons	461..526, 464..520, 528..608, 682..861, 688..861, 702..863	529..612, 529..615, 531..614,	

Seq. No.	18419	Seq. ID	OJ990406_08.9819.C18
Gene No.	38707	Strand	-
Start	711	End	865
Name	OJ990406_08.9819.C18.o1.np	Method	AAT/NAP
Start	711	End	865
GI	897638	Score	176
Exons	711..865		
GI Descrip.	(M10124) unknown protein [Nicotiana tabacum] gi\|224349\|prf\|\|1102209C ORF 3 [Nicotiana sp.]		

Seq. No.	18420	Seq. ID	OJ990406_08.9819.C19
Gene No.	38708	Strand	+
Start	1	End	741
Name	OJ990406_08.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	698
GI	128657	Score	1042
Exons	1..698		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 2, CHLOROPLAST gi\|66149\|pir\|\|DERZN2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - rice chloroplast gi\|669085\|emb\|CAA33941\| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi\|669089\|emb\|CAA33920\| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi\|226656\|prf\|\|1603356CG NADH dehydrogenase ND2 [Oryza sativa]		

Seq. No.	18420	Seq. ID	OJ990406_08.9819.C19
Gene No.	38708	Strand	+
Start	1	End	741
Name	OJ990406_08.9819.C19.o1.gs	Method	GENSCAN
Start	124	End	431
GI	none	Score	.47
Exons	124..431		

Seq. No.	18420	Seq. ID	OJ990406_08.9819.C19
Gene No.	38708	Strand	+
Start	1	End	741
Name	OJ990406_08.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	217	End	693

GI	none	Score	615
Exons	217..552, 219..650, 219..665, 652..693	412..651, 649..687, 650..688,	

Seq. No.	18420	Seq. ID	OJ990406_08.9819.C19
Gene No.	38708	Strand	+
Start	1	End	741
Name	OJ990406_08.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	506	End	741
GI	none	Score	225
Exons	506..649, 507..650, 507..665, 652..693, 685..741, 688..741	649..687, 650..688, 650..697,	

Seq. No.	18421	Seq. ID	OJ990406_08.9819.C20
Gene No.	38709	Strand	-
Start	375	End	750
Name	OJ990406_08.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	306	End	443
GI	none	Score	191
Exons	306..443, 306..443		

Seq. No.	18421	Seq. ID	OJ990406_08.9819.C20
Gene No.	38709	Strand	-
Start	375	End	750
Name	OJ990406_08.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	312	End	584
GI	none	Score	250
Exons	312..476, 312..494, 313..495, 540..578	313..495, 335..502, 540..584,	

Seq. No.	18421	Seq. ID	OJ990406_08.9819.C20
Gene No.	38709	Strand	-
Start	375	End	750
Name	OJ990406_08.9819.C20.o1.np	Method	AAT/NAP
Start	375	End	750
GI	1334605	Score	91
Exons	375..442, 725..750		
GI Descrip.	(X01676) unidentified reading frame ORF 59 [Pisum sativum]		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38710	Strand	+
Start	1	End	1314
Name	OJ990406_09.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	333
GI	6807962	Score	323
Exons	1..333		
GI Descrip.	(AL137410) hypothetical protein [Homo sapiens]		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38710	Strand	+
Start	1	End	1314
Name	OJ990406_09.9819.C1.o1.gp	Method	AAT/GAP
Start	63	End	1314
GI	LIB3433-041-P1-K1-E1	Score	603
Exons	63..341, 1235..1314		
GI Descrip.	'3387899 2.0e-48 (AF070540) putative nuclear protein [Homo sapiens]'		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38710	Strand	+
Start	1	End	1314
Name	OJ990406_09.9819.C1.o1.gs	Method	GENSCAN
Start	290	End	1257
GI	none	Score	.77
Exons	290..341, 1235..1257		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38711	Strand	+
Start	2466	End	13774
Name	OJ990406_09.9819.C1.o2.gs	Method	GENSCAN
Start	2466	End	13494
GI	none	Score	.46
Exons	2466..2671, 4485..4623, 5343..5408, 5522..5610, 5705..5819, 8191..8372, 8404..8539, 10868..11098, 11187..11537, 11933..12235, 12416..12612, 12686..12772, 12830..12899, 13376..13494		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38711	Strand	+
Start	2466	End	13774
Name	OJ990406_09.9819.C1.o5.np	Method	AAT/NAP
Start	9547	End	13597
GI	4680183	Score	145
Exons	9547..9607, 12810..12899, 13506..13597		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38711	Strand	+
Start	2466	End	13774
Name	OJ990406_09.9819.C1.o2.np	Method	AAT/NAP
Start	10868	End	11662
GI	4512231	Score	1231
Exons	10868..11662		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38711	Strand	+
Start	2466	End	13774
Name	OJ990406_09.9819.C1.o3.np	Method	AAT/NAP
Start	11545	End	13774
GI	5042447	Score	640
Exons	11545..11689, 11982..12652, 13753..13774		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38711	Strand	+
Start	2466	End	13774
Name	OJ990406_09.9819.C1.o4.np	Method	AAT/NAP
Start	12830	End	13774
GI	5295955	Score	149
Exons	12830..12899, 13440..13553, 13732..13774		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38712	Strand	-
Start	10060	End	10250
Name	OJ990406_09.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	43	End	336
GI	none	Score	203
Exons	43..189, 69..203, 70..204, 204..245, 205..336, 208..336		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38712	Strand	-
Start	10060	End	10250
Name	OJ990406_09.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	62	End	342
GI	none	Score	58
Exons	62..97, 64..342, 64..342		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38712	Strand	-
Start	10060	End	10250
Name	OJ990406_09.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	63	End	1187
GI	none	Score	451
Exons	63..341, 64..336, 291..341, 960..998, 983..1030, 995..1030, 1090..1164, 1095..1187		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38712	Strand	-
Start	10060	End	10250
Name	OJ990406_09.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	63	End	336
GI	none	Score	209
Exons	63..200, 64..201, 183..245, 187..291, 295..336, 295..333		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38712	Strand	-
Start	10060	End	10250
Name	OJ990406_09.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	5108	End	5274
GI	none	Score	183
Exons	5108..5266, 5113..5259, 5119..5274		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38712	Strand	-
Start	10060	End	10250
Name	OJ990406_09.9819.C1.o2.tc	Method	TBLASTX:Cress
Start	5164	End	5728
GI	none	Score	124
Exons	5164..5253, 5165..5266, 5340..5411, 5362..5409, 5519..5608, 5525..5617, 5536..5619, 5708..5728		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38712	Strand	-
Start	10060	End	10250
Name	OJ990406_09.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	5515	End	6299
GI	none	Score	156
Exons	5515..5619, 5516..5608, 5667..5816, 5673..5819, 5680..5820,		

5707..5823, 5708..5848, 5898..5957, 5899..5961, 5904..5954, 6030..6149, 6031..6126, 6033..6149, 6216..6299, 6227..6298, 6228..6299

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38712	Strand	-
Start	10060	End	10250
Name	OJ990406_09.9819.C1.o3.gp	Method	AAT/GAP
Start	10060	End	10250
GI	LIB3433-026-P1-K1-C1	Score	256
Exons	10060..10250		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38713	Strand	
Start	12107	End	12643
Name	OJ990406_09.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	12107	End	12463
GI	none	Score	273
Exons	12107..12463, 12130..12207, 12137..12460		

Seq. No.	18422	Seq. ID	OJ990406_09.9819.C1
Gene No.	38713	Strand	
Start	12107	End	12643
Name	OJ990406_09.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	12344	End	12643
GI	none	Score	214
Exons	12344..12643, 12344..12553		

Seq. No.	18423	Seq. ID	OJ990406_09.9819.C2
Gene No.	38714	Strand	-
Start	153	End	222
Name	OJ990406_09.9819.C2.o1.gs	Method	GENSCAN
Start	153	End	222
GI	none	Score	.89
Exons	153..222		

Seq. No.	18424	Seq. ID	OJ990406_09.9819.C3
Gene No.	38715	Strand	-
Start	1	End	1471
Name	OJ990406_09.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	1471
GI	4680179	Score	194
Exons	1..44, 503..789, 817..1104, 1376..1471		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18424	Seq. ID	OJ990406_09.9819.C3
Gene No.	38715	Strand	-
Start	1	End	1471
Name	OJ990406_09.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	75	End	562
GI	none	Score	106
Exons	75..155, 75..155, 76..156, 365..514, 366..515, 368..526, 497..562, 509..562		

Seq. No.	18424	Seq. ID	OJ990406_09.9819.C3

Gene No.	38715	Strand	-
Start	1	End	1471
Name	OJ990406_09.9819.C3.o1.gs	Method	GENSCAN
Start	526	End	1116
GI	none	Score	.41
Exons	526..530, 711..1116		

Seq. No.	18425	Seq. ID	OJ990406_09.9819.C5
Gene No.	38716	Strand	-
Start	666	End	878
Name	OJ990406_09.9819.C5.o1.gs	Method	GENSCAN
Start	666	End	733
GI	none	Score	.83
Exons	666..733		

Seq. No.	18425	Seq. ID	OJ990406_09.9819.C5
Gene No.	38716	Strand	-
Start	666	End	878
Name	OJ990406_09.9819.C5.o1.np	Method	AAT/NAP
Start	666	End	878
GI	2842489	Score	99
Exons	666..796, 828..878		
GI Descrip.	(AL021749) putative protein [Arabidopsis thaliana]		

Seq. No.	18426	Seq. ID	OJ990406_09.9819.C6
Gene No.	38717	Strand	+
Start	1	End	339
Name	OJ990406_09.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	339
GI	4512231	Score	380
Exons	1..339		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	18426	Seq. ID	OJ990406_09.9819.C6
Gene No.	38717	Strand	+
Start	1	End	339
Name	OJ990406_09.9819.C6.o1.gs	Method	GENSCAN
Start	60	End	337
GI	none	Score	.62
Exons	60..337		

Seq. No.	18427	Seq. ID	OJ990406_09.9819.C8
Gene No.	38718	Strand	+
Start	1	End	498
Name	OJ990406_09.9819.C8.o1.gp	Method	AAT/GAP
Start	1	End	498
GI	4715835	Score	829
Exons	1..498		

Seq. No.	18427	Seq. ID	OJ990406_09.9819.C8
Gene No.	38718	Strand	+
Start	1	End	498
Name	OJ990406_09.9819.C8.o1.gs	Method	GENSCAN
Start	84	End	383
GI	none	Score	.8
Exons	84..170, 186..383		

Seq. No.	18428	Seq. ID	OJ990406_09.9819.C9
Gene No.	38719	Strand	+
Start	558	End	826
Name	OJ990406_09.9819.C9.o1.gp	Method	AAT/GAP
Start	558	End	826
GI	4715835	Score	383
Exons	558..826		

Seq. No.	18429	Seq. ID	OJ990406_09.9819.C11
Gene No.	38720	Strand	+
Start	152	End	3211
Name	OJ990406_09.9819.C11.o1.gs	Method	GENSCAN
Start	152	End	3211
GI	none	Score	.9
Exons	152..234, 657..783, 902..950, 1049..1129, 2522..2638, 3082..3100, 3162..3211		

Seq. No.	18429	Seq. ID	OJ990406_09.9819.C11
Gene No.	38720	Strand	+
Start	152	End	3211
Name	OJ990406_09.9819.C11.o1.gp	Method	AAT/GAP
Start	853	End	1277
GI	LIB3432-056-P1-K1-B2	Score	521
Exons	853..950, 1049..1277		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 5.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	18429	Seq. ID	OJ990406_09.9819.C11
Gene No.	38720	Strand	+
Start	152	End	3211
Name	OJ990406_09.9819.C11.o1.np	Method	AAT/NAP
Start	2819	End	2917
GI	5777617	Score	106
Exons	2819..2917		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38721	Strand	+
Start	10808	End	12911
Name	OJ990406_09.9819.C12.o4.np	Method	AAT/NAP
Start	10808	End	12796
GI	4680492	Score	301
Exons	10808..10837, 12350..12796		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38721	Strand	+
Start	10808	End	12911
Name	OJ990406_09.9819.C12.o4.gs	Method	GENSCAN
Start	12299	End	12911
GI	none	Score	.88
Exons	12299..12349, 12536..12677, 12907..12911		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38722	Strand	+
Start	14035	End	15566
Name	OJ990406_09.9819.C12.o5.gs	Method	GENSCAN

Start	14035	End	15566
GI	none	Score	.81
Exons	14035..14232, 14284..14308, 14847..14870, 15517..15566		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38723	Strand	-
Start	1098	End	1239
Name	OJ990406_09.9819.C12.o1.np	Method	AAT/NAP
Start	1098	End	1239
GI	5777617	Score	90
Exons	1098..1239		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38724	Strand	-
Start	2023	End	8646
Name	OJ990406_09.9819.C12.o2.np	Method	AAT/NAP
Start	1997	End	6272
GI	5734736	Score	2810
Exons	1997..3597, 3762..5292, 5368..6272		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38724	Strand	-
Start	2023	End	8646
Name	OJ990406_09.9819.C12.o2.gs	Method	GENSCAN
Start	2023	End	8646
GI	none	Score	.69
Exons	2023..4260, 4311..4778, 4860..4997, 5013..5541, 5650..6236, 6787..6931, 7021..7110, 8294..8646		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38725	Strand	-
Start	8785	End	13304
Name	OJ990406_09.9819.C12.o3.np	Method	AAT/NAP
Start	8785	End	13304
GI	5042463	Score	193
Exons	8785..8816, 10528..10637, 10689..10844, 11501..11695, 13248..13304		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38725	Strand	-
Start	8785	End	13304
Name	OJ990406_09.9819.C12.o3.gs	Method	GENSCAN
Start	9436	End	10091
GI	none	Score	.68
Exons	9436..9758, 10073..10091		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38726	Strand	-
Start	13341	End	13773
Name	OJ990406_09.9819.C12.o5.np	Method	AAT/NAP
Start	13341	End	13773
GI	6539570	Score	167
Exons	13341..13407, 13579..13773		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	2033	End	2682
GI	none	Score	127
Exons	2033..2524, 2035..2508, 2521..2682		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	2041	End	2715
GI	none	Score	88
Exons	2041..2292, 2042..2293, 2288..2416, 2290..2415, 2410..2703, 2435..2704, 2599..2715		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o5.tm	Method	TBLASTX:Maize
Start	2045	End	2427
GI	none	Score	108
Exons	2045..2395, 2083..2427, 2188..2421		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o4.tw	Method	TBLASTX:Wheat
Start	2071	End	2517
GI	none	Score	88
Exons	2071..2289, 2075..2269, 2287..2517		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	2569	End	2991
GI	none	Score	95
Exons	2569..2991, 2573..2773, 2602..2781, 2846..2983		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	2692	End	3391
GI	none	Score	40
Exons	2692..2832, 2851..3060, 2951..3061, 3046..3390, 3050..3232, 3257..3391		

Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	3055	End	3564
GI	5509260	Score	100

Exons	3055..3564, 3083..3232, 3290..3469		
GI Descrip.	-		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	3172	End	3436
GI	none	Score	141
Exons	3172..3435, 3191..3436		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	3211	End	3528
GI	none	Score	204
Exons	3211..3528, 3212..3472, 3223..3519		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	3949	End	4424
GI	none	Score	148
Exons	3949..4182, 4155..4424, 4156..4416		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o3.tc	Method	TBLASTX:Cress
Start	3964	End	4409
GI	none	Score	166
Exons	3964..4143, 4155..4409		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	4027	End	4451
GI	none	Score	123
Exons	4027..4098, 4111..4167, 4155..4436, 4155..4451, 4156..4437		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	4197	End	4658
GI	none	Score	111
Exons	4197..4658, 4210..4482		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o4.ts	Method	TBLASTX:Soybean
Start	4464	End	4793
GI	none	Score	38

Exons	4464..4793, 4465..4617, 4617..4697, 4675..4761		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	4731	End	5187
GI	none	Score	54
Exons	4731..4817, 4806..4925, 4816..4863, 4941..5186, 4966..5187		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o6.tm	Method	TBLASTX:Maize
Start	4797	End	5207
GI	none	Score	56
Exons	4797..4928, 4801..4929, 4989..5207, 5016..5171, 5032..5187		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	5628	End	6017
GI	none	Score	58
Exons	5628..5711, 5629..5697, 5691..5801, 5692..5802, 5808..6017, 5814..6017		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o5.tw	Method	TBLASTX:Wheat
Start	5742	End	6137
GI	none	Score	234
Exons	5742..6137		
Seq. No.	18430	Seq. ID	OJ990406_09.9819.C12
Gene No.	38727	Strand	-
Start	13910	End	15254
Name	OJ990406_09.9819.C12.o6.np	Method	AAT/NAP
Start	13910	End	15254
GI	6630699	Score	87
Exons	13910..13995, 15215..15254		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	18431	Seq. ID	OJ990406_09.9819.C13
Gene No.	38728	Strand	-
Start	1	End	1345
Name	OJ990406_09.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1345
GI	2791896	Score	1081
Exons	1..904, 932..1208, 1301..1345		
GI Descrip.	(Y08997) 146kDa nuclear protein [Xenopus laevis]		
Seq. No.	18431	Seq. ID	OJ990406_09.9819.C13
Gene No.	38728	Strand	-

Start	1	End	1345
Name	OJ990406_09.9819.C13.o1.gs	Method	GENSCAN
Start	84	End	1268
GI	none	Score	.76
Exons	84..1268		

Seq. No.	18431	Seq. ID	OJ990406_09.9819.C13
Gene No.	38728	Strand	-
Start	1	End	1345
Name	OJ990406_09.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	213	End	468
GI	none	Score	168
Exons	213..467, 219..422, 235..468		

Seq. No.	18431	Seq. ID	OJ990406_09.9819.C13
Gene No.	38728	Strand	-
Start	1	End	1345
Name	OJ990406_09.9819.C13.o2.ts	Method	TBLASTX:Soybean
Start	479	End	737
GI	none	Score	118
Exons	479..628, 513..629, 513..737, 520..723		

Seq. No.	18432	Seq. ID	OJ990406_09.9819.C14
Gene No.	38729	Strand	+
Start	384	End	939
Name	OJ990406_09.9819.C14.o1.gs	Method	GENSCAN
Start	384	End	939
GI	none	Score	.64
Exons	384..596, 640..939		

Seq. No.	18433	Seq. ID	OJ990406_09.9819.C16
Gene No.	38730	Strand	+
Start	696	End	1920
Name	OJ990406_09.9819.C16.o1.np	Method	AAT/NAP
Start	696	End	1920
GI	4455155	Score	104
Exons	696..895, 1876..1920		
GI Descrip.	(AL022023) EF-1 alpha-like protein (fragment) [Arabidopsis thaliana]		

Seq. No.	18433	Seq. ID	OJ990406_09.9819.C16
Gene No.	38731	Strand	-
Start	226	End	1786
Name	OJ990406_09.9819.C16.o1.gs	Method	GENSCAN
Start	226	End	1786
GI	none	Score	.75
Exons	226..399, 462..578, 845..1123, 1696..1786		

Seq. No.	18433	Seq. ID	OJ990406_09.9819.C16
Gene No.	38731	Strand	-
Start	226	End	1786
Name	OJ990406_09.9819.C16.o2.np	Method	AAT/NAP
Start	286	End	1456
GI	5922634	Score	109
Exons	286..447, 1002..1058, 1208..1456		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016867\|dbj\|BAA85210.1\| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	18434	Seq. ID	OJ990406_09.9819.C17
Gene No.	38732	Strand	-
Start	1	End	11903
Name	OJ990406_09.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	4529
GI	1346790	Score	411
Exons	1..253, 584..679, 828..1166, 1296..1410, 1977..2098, 2176..2350, 3081..3213, 4484..4529		
GI Descrip.	PATHOGENESIS-RELATED HOMEODOMAIN PROTEIN (PRHA) gi\|507220 (L21991) homeodomain protein [Arabidopsis thaliana] gi\|2501810 (U48864) PRHA [Arabidopsis thaliana] gi\|4914418\|emb\|CAB43669.1\| (AL050352) pathogenesis related homeodomain protein (PRHA) [Arabidopsis thaliana]		

Seq. No.	18434	Seq. ID	OJ990406_09.9819.C17
Gene No.	38732	Strand	-
Start	1	End	11903
Name	OJ990406_09.9819.C17.o2.np	Method	AAT/NAP
Start	1	End	11903
GI	3153821	Score	102
Exons	1..34, 4131..4363, 11365..11744, 11822..11903		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	18434	Seq. ID	OJ990406_09.9819.C17
Gene No.	38732	Strand	-
Start	1	End	11903
Name	OJ990406_09.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	467	End	3238
GI	none	Score	92
Exons	467..523, 575..697, 1311..1409, 1983..2084, 1985..2092, 2201..2344, 2203..2352, 2204..2353, 3086..3238, 3087..3158		

Seq. No.	18434	Seq. ID	OJ990406_09.9819.C17
Gene No.	38732	Strand	-
Start	1	End	11903
Name	OJ990406_09.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	482	End	3178
GI	none	Score	65
Exons	482..529, 482..661, 602..685, 604..678, 819..911, 819..1025, 827..1051, 1054..1164, 1055..1165, 1071..1178, 1300..1410, 1305..1415, 1306..1413, 1979..2098, 1980..2099, 2161..2196, 2206..2352, 2207..2353, 3081..3155, 3081..3155, 3086..3178		

Seq. No.	18434	Seq. ID	OJ990406_09.9819.C17
Gene No.	38732	Strand	-
Start	1	End	11903
Name	OJ990406_09.9819.C17.o1.gp	Method	AAT/GAP
Start	483	End	671
GI	2310468	Score	297
Exons	483..671		
GI Descrip.	1346790/sp\|P48785\|PRH_ARATH 5.0e-16 PATHOGENESIS-RELATED HOMEODOMAIN PROTEIN (PRHA) >gi_507220 (L21991) homeodomain protein [Arabidopsis thaliana] >gi_2501810 (U48864) PRHA [Arabidopsis thaliana] >gi_4914418_emb_CAB43669.1_ (AL050352)		

pathogenesis related homeodomain protein (PRHA) [Arabidopsis thaliana]

Seq. No.	18434	Seq. ID	OJ990406_09.9819.C17
Gene No.	38732	Strand	-
Start	1	End	11903
Name	OJ990406_09.9819.C17.o1.gs	Method	GENSCAN
Start	485	End	11783
GI	none	Score	.8
Exons	485..679, 828..1166, 1296..1411, 2172..2350, 3081..3492, 4779..4909, 5469..5559, 6121..6169, 6496..6635, 6911..6986, 7283..7329, 7507..7624, 8089..8139, 8523..8590, 8689..8776, 9728..9873, 11538..11783		

Seq. No.	18434	Seq. ID	OJ990406_09.9819.C17
Gene No.	38732	Strand	-
Start	1	End	11903
Name	OJ990406_09.9819.C17.o2.gp	Method	AAT/GAP
Start	3375	End	4367
GI	2427323	Score	761
Exons	3375..3525, 4113..4367		

Seq. No.	18434	Seq. ID	OJ990406_09.9819.C17
Gene No.	38732	Strand	-
Start	1	End	11903
Name	OJ990406_09.9819.C17.o4.gp	Method	AAT/GAP
Start	5773	End	6541
GI	none	Score	753
Exons	5773..6169, 6496..6541		

Seq. No.	18434	Seq. ID	OJ990406_09.9819.C17
Gene No.	38732	Strand	-
Start	1	End	11903
Name	OJ990406_09.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	6502	End	7650
GI	none	Score	63
Exons	6502..6567, 6502..6555, 6538..6696, 6549..6698, 6550..6699, 6909..6989, 6909..6989, 7155..7190, 7160..7201, 7265..7318, 7276..7332, 7278..7331, 7282..7332, 7477..7566, 7481..7642, 7500..7643, 7606..7650		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38733	Strand	+
Start	241	End	3714
Name	OJ990406_09.9819.C18.o1.gs	Method	GENSCAN
Start	241	End	3599
GI	none	Score	.65
Exons	241..266, 1359..1686, 1915..2243, 2546..3599		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38733	Strand	+
Start	241	End	3714
Name	OJ990406_09.9819.C18.o1.gp	Method	AAT/GAP
Start	3201	End	3714
GI	4715835	Score	947
Exons	3201..3714		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38734	Strand	+
Start	6792	End	8075
Name	OJ990406_09.9819.C18.o2.gp	Method	AAT/GAP
Start	6792	End	8075
GI	4715835	Score	861
Exons	6792..7205, 7968..8075		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38735	Strand	+
Start	17613	End	17671
Name	OJ990406_09.9819.C18.o5.gp	Method	AAT/GAP
Start	17613	End	17671
GI	LIB3477-003-P1-K1-E9	Score	71
Exons	17613..17671		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38736	Strand	-
Start	8452	End	15684
Name	OJ990406_09.9819.C18.o3.gp	Method	AAT/GAP
Start	8361	End	9049
GI	6497_1.R1084	Score	1155
Exons	8361..8784, 8871..9049		
GI Descrip.	'4512653/gb\|AAD21708.1\| 1.0e-23 (AC007048) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38736	Strand	-
Start	8452	End	15684
Name	OJ990406_09.9819.C18.o3.gs	Method	GENSCAN
Start	8452	End	15684
GI	none	Score	.89
Exons	8452..8665, 8716..8784, 8871..9049, 9138..9246, 9325..9410, 9517..9630, 9724..9783, 10279..10464, 10582..10695, 11122..11346, 11433..11537, 11656..11796, 11902..12006, 12085..12189, 12273..12431, 12534..12617, 12692..12803, 13000..13082, 13182..13220, 13366..13431, 13895..13937, 14628..14695, 14806..14865, 14959..15082, 15326..15426, 15559..15684		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38736	Strand	-
Start	8452	End	15684
Name	OJ990406_09.9819.C18.o1.np	Method	AAT/NAP
Start	8715	End	15684
GI	4512653	Score	2774
Exons	8715..8784, 8871..9049, 9138..9246, 9325..9410, 9517..9630, 9724..9783, 10279..10494, 10582..10695, 11122..11307, 11391..11537, 11656..11796, 11902..12006, 12085..12189, 12273..12431, 12534..12611, 12692..12803, 13000..13082, 13182..13220, 13366..13431, 13895..13937, 14628..14695, 14806..14865, 14959..15082, 15326..15426, 15559..15684		
GI Descrip.	(AC007048) 26S proteasome regulatory subunit S2 [Arabidopsis thaliana]		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38736	Strand	-
Start	8452	End	15684
Name	OJ990406_09.9819.C18.o4.gp	Method	AAT/GAP
Start	9364	End	10342
GI	LIB3433-027-P1-K1-E2	Score	493
Exons	9364..9410, 9517..9630, 9724..9783, 10279..10342		
GI Descrip.	'4512653/gb\|AAD21708.1\| 2.0e-40 (AC007048) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o2.tc	Method	TBLASTX:Cress
Start	8712	End	10485
GI	none	Score	71
Exons	8712..8786, 8713..8784, 8868..9068, 8870..8953, 9005..9067, 9132..9239, 9138..9242, 9139..9246, 9325..9411, 9339..9449, 9514..9630, 9515..9631, 9715..9786, 10276..10485, 10277..10465		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	8712	End	10640
GI	none	Score	74
Exons	8712..8783, 8712..8786, 8713..8784, 8714..8785, 8817..9053, 8870..8953, 9005..9070, 9138..9245, 9139..9246, 9139..9246, 9301..9411, 9325..9405, 9336..9449, 9512..9631, 9515..9631, 9516..9632, 9715..9789, 9715..9786, 10268..10495, 10275..10373, 10276..10509, 10277..10510, 10579..10632, 10581..10640		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	8712	End	15426
GI	none	Score	74
Exons	8712..8786, 8713..8784, 8817..9068, 8870..8953, 8937..9029, 9005..9067, 9132..9239, 9138..9242, 9139..9264, 9282..9449, 9325..9411, 9514..9630, 9515..9631, 9518..9637, 9541..9663, 9715..9786, 9755..9799, 10276..10509, 10277..10510, 10277..10510, 10578..10697, 10579..10698, 10592..10696, 11103..11270, 11111..11296, 11120..11299, 11122..11316, 11430..11546, 11433..11537, 11437..11547, 11632..11820, 11648..11797, 11721..11801, 11854..12009, 11897..12007, 11900..12010, 11902..12009, 12074..12157, 12085..12174, 12085..12165, 12154..12192, 12272..12343, 12273..12431, 12274..12372, 12534..12614, 12534..12617, 12695..12805, 12695..12805, 12711..12806, 12993..13088, 13161..13232, 13177..13221, 13182..13232, 13366..13434, 13895..13939, 14627..14698, 14791..14832, 14806..14865, 14810..14893, 14917..15084, 14960..15088, 14972..15085, 15325..15426		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-

Start	17872	End	20462
Name	OJ990406_09.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	10645	End	11538
GI	none	Score	75
Exons	10645..10698, 10646..10696, 11111..11332, 11120..11278, 11272..11307, 11431..11538, 11437..11532		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o4.gs	Method	GENSCAN
Start	17872	End	20270
GI	none	Score	.88
Exons	17872..18060, 18131..18421, 18738..19355, 19840..20270		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o6.gp	Method	AAT/GAP
Start	18433	End	19087
GI	472_2.R1084	Score	1266
Exons	18433..19087		
GI Descrip.	'547712/sp\|P35683\|IF4A_ORYSA 6.0e-63 EUKARYOTIC INITIATION FACTOR 4A (EIF-4A) >gi_542153_pir__S38358 translation initiation factor eIF-4A - rice >gi_303844_dbj_BAA02152_ (D12627) eukaryotic initiation factor 4A [Oryza sativa]'		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	18541	End	20456
GI	none	Score	45
Exons	18541..18636, 18720..19367, 18723..19358, 18724..19359, 19836..19913, 19836..19943, 19837..20229, 19837..20271, 19841..20272, 20345..20455, 20346..20456		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	18700	End	20056
GI	none	Score	919
Exons	18700..19359, 18705..19367, 19835..19921, 19836..19922, 19837..20055, 19837..20055, 19841..20056		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	18711	End	20452
GI	none	Score	596
Exons	18711..19358, 18720..19367, 18724..19359, 19106..19360, 19372..19410, 19835..19918, 19836..19907, 19837..20229, 19837..20271, 19841..20272, 20329..20445, 20345..20452, 20346..20444, 20348..20452		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	18720	End	20449
GI	none	Score	759
Exons	18720..19367, 18727..19356, 19835..19921, 19837..20271, 19844..20272, 20329..20442, 20345..20446, 20346..20447, 20348..20449		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o2.np	Method	AAT/NAP
Start	18723	End	20462
GI	2341061	Score	1884
Exons	18723..19355, 19840..20270, 20356..20462		
GI Descrip.	(U73459) translational initiation factor eIF-4A [Zea mays]		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	20056	End	20461
GI	none	Score	309
Exons	20056..20271, 20057..20272, 20345..20461, 20346..20459, 20356..20460		

Seq. No.	18435	Seq. ID	OJ990406_09.9819.C18
Gene No.	38737	Strand	-
Start	17872	End	20462
Name	OJ990406_09.9819.C18.o7.gp	Method	AAT/GAP
Start	20236	End	20462
GI	uC-osrocyp002g09b1	Score	437
Exons	20236..20462		
GI Descrip.	'547712/sp\|P35683\|IF4A_ORYSA 4.0e-25 EUKARYOTIC INITIATION FACTOR 4A (EIF-4A) >gi_542153_pir__S38358 translation initiation factor eIF-4A - rice >gi_303844_dbj_BAA02152_ (D12627) eukaryotic initiation factor 4A [Oryza sativa]'		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38738	Strand	-
Start	1	End	7248
Name	OJ990406_09.9819.C19.o1.gp	Method	AAT/GAP
Start	1	End	1287
GI	29552_1.R1084	Score	548
Exons	1..132, 1068..1287		
GI Descrip.	'547712/sp\|P35683\|IF4A_ORYSA 4.0e-49 EUKARYOTIC INITIATION FACTOR 4A (EIF-4A) >gi_542153_pir__S38358 translation initiation factor eIF-4A - rice >gi_303844_dbj_BAA02152_ (D12627) eukaryotic initiation factor 4A [Oryza sativa]'		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38738	Strand	-
Start	1	End	7248
Name	OJ990406_09.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	130

GI	2341061	Score	98
Exons	1..130		
GI Descrip.	(U73459) translational initiation factor eIF-4A [Zea mays]		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38738	Strand	-
Start	1	End	7248
Name	OJ990406_09.9819.C19.o1.gs	Method	GENSCAN
Start	60	End	7248
GI	none	Score	.66
Exons	60..132, 1068..1201, 1319..1502, 2075..2122, 3681..3732, 3818..3932, 4027..4115, 4230..4295, 5013..5087, 5185..5255, 6089..6201, 7049..7248		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o4.tm	Method	TBLASTX:Maize
Start	3338	End	4128
GI	none	Score	86
Exons	3338..3421, 3339..3410, 3488..3604, 3488..3607, 3511..3606, 3676..3738, 3680..3739, 3683..3733, 3789..3929, 3814..3930, 3817..3957, 3818..3964, 3818..3964, 4018..4128, 4029..4121		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o5.tc	Method	TBLASTX:Cress
Start	3909	End	4474
GI	none	Score	38
Exons	3909..3929, 4018..4101, 4029..4118, 4226..4279, 4227..4298, 4229..4297, 4372..4473, 4385..4474		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o7.ts	Method	TBLASTX:Soybean
Start	4364	End	4530
GI	none	Score	127
Exons	4364..4519, 4372..4530, 4379..4525		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o2.gp	Method	AAT/GAP
Start	8079	End	9476
GI	LIB3433-041-P1-K1-E1	Score	872
Exons	8079..8157, 9085..9476		
GI Descrip.	'3387899 2.0e-48 (AF070540) putative nuclear protein [Homo sapiens]'		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	8227	End	10141
GI	none	Score	36

Exons	8227..8298, 8250..8267, 8259..8297, 8353..8391, 8362..8391, 8404..8442, 8411..8443, 9085..10131, 9085..9144, 9087..10136, 9089..9265, 9090..10133, 9809..10141		
Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	9082	End	9464
GI	none	Score	438
Exons	9082..9135, 9084..9437, 9084..9464, 9085..9444		
Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o2.gs	Method	GENSCAN
Start	9090	End	12672
GI	none	Score	.82
Exons	9090..11472, 11507..12672		
Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o3.tc	Method	TBLASTX:Cress
Start	9090	End	9303
GI	none	Score	101
Exons	9090..9218, 9090..9227, 9222..9302, 9223..9303		
Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o4.ts	Method	TBLASTX:Soybean
Start	9090	End	9392
GI	none	Score	41
Exons	9090..9131, 9093..9131, 9135..9239, 9181..9243, 9225..9392, 9226..9387		
Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o3.np	Method	AAT/NAP
Start	9093	End	12693
GI	6912654	Score	3698
Exons	9093..11690, 11718..12693		
GI Descrip.	spliceosome-associated factor 155 gi\|4033735 (AF054284) spliceosomal protein SAP 155 [Homo sapiens]		
Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	9303	End	9701
GI	none	Score	290
Exons	9303..9695, 9303..9701, 9304..9699		
Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-

Start	9090	End	12705
Name	OJ990406_09.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	9467	End	10025
GI	none	Score	320
Exons	9467..10006, 9468..10025, 9469..10023		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o2.ts	Method	TBLASTX:Soybean
Start	10034	End	10533
GI	none	Score	69
Exons	10034..10105, 10041..10523, 10047..10526, 10426..10527, 10456..10533		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o4.tc	Method	TBLASTX:Cress
Start	10074	End	10247
GI	none	Score	123
Exons	10074..10247, 10093..10242		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	10212	End	10902
GI	none	Score	825
Exons	10212..10895, 10212..10856, 10411..10902, 10511..10894		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o2.tc	Method	TBLASTX:Cress
Start	10425	End	10650
GI	none	Score	242
Exons	10425..10649, 10456..10650		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o3.ts	Method	TBLASTX:Soybean
Start	10560	End	10821
GI	none	Score	211
Exons	10560..10820, 10563..10817, 10564..10821		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o6.ts	Method	TBLASTX:Soybean
Start	10923	End	11198
GI	none	Score	184
Exons	10923..11066, 10927..11052, 11010..11198, 11041..11196, 11058..11198		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19

Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o5.ts	Method	TBLASTX:Soybean
Start	11268	End	11466
GI	none	Score	152
Exons	11268..11465, 11274..11465, 11290..11466		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o3.tm	Method	TBLASTX:Maize
Start	12193	End	12657
GI	none	Score	88
Exons	12193..12297, 12230..12286, 12280..12303, 12327..12359, 12335..12364, 12373..12453, 12416..12442, 12437..12622, 12502..12657		

Seq. No.	18436	Seq. ID	OJ990406_09.9819.C19
Gene No.	38739	Strand	-
Start	9090	End	12705
Name	OJ990406_09.9819.C19.o3.gp	Method	AAT/GAP
Start	12194	End	12705
GI	uC-osflm202104d09b1	Score	976
Exons	12194..12705		
GI Descrip.	'4033735 7.0e-11 (AF054284) spliceosomal protein SAP 155 [Homo sapiens]'		

Seq. No.	18437	Seq. ID	OJ990406_09.9819.C20
Gene No.	38740	Strand	+
Start	1634	End	5131
Name	OJ990406_09.9819.C20.o1.gs	Method	GENSCAN
Start	1634	End	5131
GI	none	Score	.65
Exons	1634..1869, 1956..2300, 2695..3541, 3771..3839, 4897..5131		

Seq. No.	18437	Seq. ID	OJ990406_09.9819.C20
Gene No.	38740	Strand	+
Start	1634	End	5131
Name	OJ990406_09.9819.C20.o1.gp	Method	AAT/GAP
Start	1704	End	3004
GI	none	Score	843
Exons	1704..1791, 2189..2300, 2695..3004		

Seq. No.	18438	Seq. ID	OJ990406_09.9819.C21
Gene No.	38741	Strand	-
Start	660	End	734
Name	OJ990406_09.9819.C21.o1.gs	Method	GENSCAN
Start	660	End	734
GI	none	Score	.75
Exons	660..734		

Seq. No.	18439	Seq. ID	OJ990406_09.9819.C22
Gene No.	38742	Strand	+
Start	141	End	764
Name	OJ990406_09.9819.C22.o1.gs	Method	GENSCAN
Start	141	End	764
GI	none	Score	.78

Exons	141..209, 603..764		
Seq. No.	18439	Seq. ID	OJ990406_09.9819.C22
Gene No.	38743	Strand	-
Start	1	End	822
Name	OJ990406_09.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	822
GI	6006359	Score	58
Exons	1..120, 725..822		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	18440	Seq. ID	OJ990416_04.9819.C2
Gene No.	38744	Strand	+
Start	59	End	365
Name	OJ990416_04.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	56	End	356
GI	none	Score	156
Exons	56..157, 58..156, 68..157, 264..350, 269..349, 271..351, 282..356		
Seq. No.	18440	Seq. ID	OJ990416_04.9819.C2
Gene No.	38744	Strand	+
Start	59	End	365
Name	OJ990416_04.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	58	End	365
GI	none	Score	158
Exons	58..156, 60..158, 60..158, 272..349, 282..365, 282..350		
Seq. No.	18440	Seq. ID	OJ990416_04.9819.C2
Gene No.	38744	Strand	+
Start	59	End	365
Name	OJ990416_04.9819.C2.o1.gp	Method	AAT/GAP
Start	59	End	350
GI	none	Score	262
Exons	59..156, 283..350		
Seq. No.	18441	Seq. ID	OJ990416_04.9819.C4
Gene No.	38745	Strand	+
Start	1	End	2872
Name	OJ990416_04.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	2872
GI	731058	Score	354
Exons	1..19, 465..623, 1015..1045, 1771..1906, 2032..2115, 2800..2872		
GI Descrip.	URACIL-DNA GLYCOSYLASE (UDG) gi\|2118057\|pir\|\|S39712 probable uracil-DNA glycosylase - Bacillus subtilis gi\|580875\|emb\|CAA51613\| (X73124) ipa-57d [Bacillus subtilis] gi\|2636332\|emb\|CAB15823\| (Z99123) uracil-DNA glycosylase [Bacillus subtilis]		
Seq. No.	18441	Seq. ID	OJ990416_04.9819.C4
Gene No.	38745	Strand	+
Start	1	End	2872
Name	OJ990416_04.9819.C4.o1.gs	Method	GENSCAN
Start	465	End	2000
GI	none	Score	.4
Exons	465..623, 1015..1045, 1771..2000		

Seq. No.	18441	Seq. ID	OJ990416_04.9819.C4
Gene No.	38746	Strand	-
Start	2840	End	4347
Name	OJ990416_04.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	461	End	592
GI	none	Score	221
Exons	461..592, 462..590		

Seq. No.	18441	Seq. ID	OJ990416_04.9819.C4
Gene No.	38746	Strand	-
Start	2840	End	4347
Name	OJ990416_04.9819.C4.o2.gs	Method	GENSCAN
Start	2840	End	4347
GI	none	Score	.41
Exons	2840..2967, 3929..4121, 4144..4347		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38747	Strand	+
Start	384	End	1263
Name	OJ990416_04.9819.C5.o1.gs	Method	GENSCAN
Start	384	End	1263
GI	none	Score	.41
Exons	384..503, 1151..1263		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38748	Strand	+
Start	12045	End	12447
Name	OJ990416_04.9819.C5.o6.gs	Method	GENSCAN
Start	12045	End	12447
GI	none	Score	.71
Exons	12045..12171, 12281..12447		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38749	Strand	+
Start	22837	End	23053
Name	OJ990416_04.9819.C5.o8.gs	Method	GENSCAN
Start	22837	End	23053
GI	none	Score	.61
Exons	22837..22928, 22933..23053		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38750	Strand	-
Start	2427	End	6299
Name	OJ990416_04.9819.C5.o2.gs	Method	GENSCAN
Start	2427	End	6203
GI	none	Score	.84
Exons	2427..2480, 2634..2849, 5632..5742, 5847..6203		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38750	Strand	-
Start	2427	End	6299
Name	OJ990416_04.9819.C5.o1.np	Method	AAT/NAP
Start	5590	End	6164
GI	5689236	Score	539
Exons	5590..5742, 5847..6164		
GI Descrip.	(AB024291) ZmRR2 [Zea mays] gi\|6009897\|dbj\|BAA85113.1\| (AB031012) response regulator 2 [Zea mays]		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38750	Strand	-
Start	2427	End	6299
Name	OJ990416_04.9819.C5.o1.gp	Method	AAT/GAP
Start	5706	End	6299
GI	30154_1.R1084	Score	933
Exons	5706..5742, 5847..6299		
GI Descrip.	'5689236/dbj\|BAA82873.1\| 2.0e-34 (AB024291) ZmRR2 [Zea mays] >gi_6009897_dbj_BAA85113.1_ (AB031012) response regulator 2 [Zea mays]'		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38751	Strand	-
Start	6727	End	7029
Name	OJ990416_04.9819.C5.o3.gs	Method	GENSCAN
Start	6727	End	7029
GI	none	Score	1
Exons	6727..7029		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38752	Strand	-
Start	7584	End	8508
Name	OJ990416_04.9819.C5.o4.gs	Method	GENSCAN
Start	7584	End	8508
GI	none	Score	.78
Exons	7584..7771, 8218..8347, 8413..8508		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38753	Strand	-
Start	14451	End	18243
Name	OJ990416_04.9819.C5.o7.gs	Method	GENSCAN
Start	14451	End	18243
GI	none	Score	.69
Exons	14451..14641, 15094..15368, 18185..18243		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38754	Strand	-
Start	25908	End	26599
Name	OJ990416_04.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	5545	End	6060
GI	none	Score	207
Exons	5545..5748, 5579..5743, 5845..6060, 5847..6059		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38754	Strand	-
Start	25908	End	26599
Name	OJ990416_04.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	5605	End	6068
GI	none	Score	131
Exons	5605..5748, 5618..5743, 5845..5925, 5847..5924, 5931..6068, 5932..6051		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38754	Strand	-
Start	25908	End	26599
Name	OJ990416_04.9819.C5.o1.ts	Method	TBLASTX:Soybean

Start	5605	End	5916
GI	none	Score	120
Exons	5605..5748, 5618..5743, 5845..5916, 5847..5915		

Seq. No.	18442	Seq. ID	OJ990416_04.9819.C5
Gene No.	38754	Strand	-
Start	25908	End	26599
Name	OJ990416_04.9819.C5.o9.gs	Method	GENSCAN
Start	25908	End	26599
GI	none	Score	.72
Exons	25908..26038, 26374..26599		

Seq. No.	18443	Seq. ID	OJ990416_04.9819.C6
Gene No.	38755	Strand	+
Start	1	End	769
Name	OJ990416_04.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	769
GI	2231329	Score	95
Exons	1..25, 288..769		
GI Descrip.	(U77049) bactinecin 11 [Ovis aries]		

Seq. No.	18443	Seq. ID	OJ990416_04.9819.C6
Gene No.	38756	Strand	+
Start	2431	End	2794
Name	OJ990416_04.9819.C6.o1.gp	Method	AAT/GAP
Start	2431	End	2794
GI	700618	Score	724
Exons	2431..2794		

Seq. No.	18443	Seq. ID	OJ990416_04.9819.C6
Gene No.	38757	Strand	-
Start	2539	End	2875
Name	OJ990416_04.9819.C6.o2.gs	Method	GENSCAN
Start	2539	End	2875
GI	none	Score	.5
Exons	2539..2875		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38758	Strand	+
Start	161	End	4716
Name	OJ990416_04.9819.C7.o1.gs	Method	GENSCAN
Start	161	End	4716
GI	none	Score	.76
Exons	161..499, 1923..1985, 2999..3032, 3256..3347, 4148..4244, 4634..4716		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38758	Strand	+
Start	161	End	4716
Name	OJ990416_04.9819.C7.o1.np	Method	AAT/NAP
Start	281	End	1985
GI	4874266	Score	86
Exons	281..504, 974..1078, 1934..1985		
GI Descrip.	(AC007354) T16B5.4 [Arabidopsis thaliana]		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38758	Strand	+

Start	161	End	4716
Name	OJ990416_04.9819.C7.o1.gp	Method	AAT/GAP
Start	2467	End	2550
GI	LIB3477-003-P1-K1-E9	Score	98
Exons	2467..2550		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38758	Strand	+
Start	161	End	4716
Name	OJ990416_04.9819.C7.o2.np	Method	AAT/NAP
Start	3285	End	4477
GI	4874266	Score	74
Exons	3285..3347, 3794..3849, 4148..4244, 4424..4477		
GI Descrip.	(AC007354) T16B5.4 [Arabidopsis thaliana]		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38759	Strand	-
Start	6033	End	7616
Name	OJ990416_04.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	425	End	3347
GI	none	Score	110
Exons	425..505, 426..503, 427..513, 967..1074, 971..1072, 971..1081, 972..1079, 1898..1990, 1925..1984, 1926..1991, 2069..2197, 2071..2214, 3254..3346, 3255..3347		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38759	Strand	-
Start	6033	End	7616
Name	OJ990416_04.9819.C7.o3.gp	Method	AAT/GAP
Start	6033	End	6703
GI	none	Score	1314
Exons	6033..6703		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38759	Strand	-
Start	6033	End	7616
Name	OJ990416_04.9819.C7.o2.gs	Method	GENSCAN
Start	6413	End	7528
GI	none	Score	.95
Exons	6413..6828, 6899..7298, 7419..7528		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38759	Strand	-
Start	6033	End	7616
Name	OJ990416_04.9819.C7.o3.np	Method	AAT/NAP
Start	6434	End	7616
GI	4337192	Score	499
Exons	6434..6588, 6724..6828, 6899..7298, 7419..7616		
GI Descrip.	(AC006403) unknown protein [Arabidopsis thaliana]		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38759	Strand	-
Start	6033	End	7616
Name	OJ990416_04.9819.C7.o1.tm	Method	TBLASTX:Maize

Start	6599	End	7530
GI	none	Score	134
Exons	6599..6748, 6600..6755, 6686..6829, 6691..6834, 6728..6829, 6732..6839, 6884..7138, 6894..7178, 7134..7157, 7135..7179, 7152..7304, 7163..7300, 7164..7307, 7165..7308, 7418..7528, 7419..7526, 7419..7529, 7420..7530		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38759	Strand	-
Start	6033	End	7616
Name	OJ990416_04.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	6737	End	7022
GI	none	Score	79
Exons	6737..6829, 6743..6829, 6744..6848, 6753..6839, 6849..7022, 6873..6998		

Seq. No.	18444	Seq. ID	OJ990416_04.9819.C7
Gene No.	38759	Strand	-
Start	6033	End	7616
Name	OJ990416_04.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	6915	End	7526
GI	none	Score	117
Exons	6915..7013, 7143..7307, 7165..7299, 7419..7526, 7419..7526		

Seq. No.	18445	Seq. ID	OJ990416_04.9819.C8
Gene No.	38760	Strand	+
Start	7162	End	7414
Name	OJ990416_04.9819.C8.o3.gs	Method	GENSCAN
Start	7162	End	7414
GI	none	Score	.45
Exons	7162..7414		

Seq. No.	18445	Seq. ID	OJ990416_04.9819.C8
Gene No.	38761	Strand	-
Start	1	End	1236
Name	OJ990416_04.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	1236
GI	4337192	Score	189
Exons	1..38, 163..307, 726..899, 1126..1236		
GI Descrip.	(AC006403) unknown protein [Arabidopsis thaliana]		

Seq. No.	18445	Seq. ID	OJ990416_04.9819.C8
Gene No.	38761	Strand	-
Start	1	End	1236
Name	OJ990416_04.9819.C8.o1.gs	Method	GENSCAN
Start	163	End	1001
GI	none	Score	.79
Exons	163..307, 726..1001		

Seq. No.	18445	Seq. ID	OJ990416_04.9819.C8
Gene No.	38762	Strand	-
Start	2144	End	5133
Name	OJ990416_04.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	159	End	839
GI	none	Score	176
Exons	159..308, 164..310, 165..314, 714..839		

Seq. No.	18445	Seq. ID	OJ990416_04.9819.C8
Gene No.	38762	Strand	-
Start	2144	End	5133
Name	OJ990416_04.9819.C8.o2.gs	Method	GENSCAN
Start	2144	End	5133
GI	none	Score	.88
Exons	2144..2154, 2390..2444, 3306..3407, 3496..3552, 4742..4921, 5026..5133		

Seq. No.	18445	Seq. ID	OJ990416_04.9819.C8
Gene No.	38762	Strand	-
Start	2144	End	5133
Name	OJ990416_04.9819.C8.o1.gp	Method	AAT/GAP
Start	2329	End	4806
GI	none	Score	984
Exons	2329..2444, 2539..2640, 3114..3179, 3306..3407, 3496..3552, 4581..4628, 4742..4806		

Seq. No.	18445	Seq. ID	OJ990416_04.9819.C8
Gene No.	38762	Strand	-
Start	2144	End	5133
Name	OJ990416_04.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	2346	End	2640
GI	none	Score	147
Exons	2346..2444, 2350..2445, 2510..2635, 2528..2638, 2539..2640		

Seq. No.	18445	Seq. ID	OJ990416_04.9819.C8
Gene No.	38762	Strand	-
Start	2144	End	5133
Name	OJ990416_04.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	2540	End	3565
GI	none	Score	144
Exons	2540..2641, 2540..2641, 2541..2642, 2542..2643, 2542..2643, 3106..3180, 3111..3191, 3112..3198, 3113..3193, 3305..3421, 3305..3409, 3306..3413, 3496..3555, 3497..3565		

Seq. No.	18445	Seq. ID	OJ990416_04.9819.C8
Gene No.	38762	Strand	-
Start	2144	End	5133
Name	OJ990416_04.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	3097	End	4631
GI	none	Score	95
Exons	3097..3180, 3112..3180, 3113..3190, 3304..3405, 3305..3409, 3306..3413, 3496..3555, 3497..3562, 4578..4631		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38763	Strand	+
Start	1	End	8333
Name	OJ990416_04.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	2012
GI	6561982	Score	1310
Exons	1..2012		
GI Descrip.	(AL133363) putative protein [Arabidopsis thaliana]		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38763	Strand	+
Start	1	End	8333

Name	OJ990416_04.9819.C9.o1.gs	Method	GENSCAN
Start	75	End	8146
GI	none	Score	.5
Exons	75..1571, 4291..6327, 6946..7066, 7326..7674, 7990..8146		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38763	Strand	+
Start	1	End	8333
Name	OJ990416_04.9819.C9.o2.np	Method	AAT/NAP
Start	4288	End	8333
GI	6598459	Score	1204
Exons	4288..6339, 8289..8333		
GI Descrip.	(AC005312) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38764	Strand	+
Start	13217	End	22196
Name	OJ990416_04.9819.C9.o3.gs	Method	GENSCAN
Start	13217	End	22196
GI	none	Score	.66
Exons	13217..13303, 13387..13480, 16557..16690, 17599..18563, 19292..19370, 19474..19569, 20118..20355, 21410..21607, 21700..21838, 21944..21974, 22029..22196		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38764	Strand	+
Start	13217	End	22196
Name	OJ990416_04.9819.C9.o2.gp	Method	AAT/GAP
Start	20317	End	20634
GI	none	Score	570
Exons	20317..20634		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38764	Strand	+
Start	13217	End	22196
Name	OJ990416_04.9819.C9.o3.gp	Method	AAT/GAP
Start	21166	End	21883
GI	none	Score	1024
Exons	21166..21315, 21410..21607, 21700..21883		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38765	Strand	-
Start	8796	End	11499
Name	OJ990416_04.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	309	End	1997
GI	none	Score	54
Exons	309..440, 339..551, 342..449, 399..614, 486..719, 585..623, 618..809, 636..803, 642..803, 659..799, 659..793, 726..785, 822..1235, 828..1232, 897..1121, 1098..1466, 1181..1504, 1182..1508, 1263..1424, 1350..1508, 1536..1637, 1668..1997		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38765	Strand	-
Start	8796	End	11499
Name	OJ990416_04.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	324	End	1508

GI	none	Score	68
Exons	324..437, 330..431, 352..432, 354..611, 642..743, 660..794, 675..794, 797..1024, 819..1058, 975..1361, 1265..1360, 1278..1508, 1311..1448		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38765	Strand	-
Start	8796	End	11499
Name	OJ990416_04.9819.C9.o3.ts	Method	TBLASTX:Soybean
Start	381	End	1637
GI	none	Score	99
Exons	381..584, 1305..1637, 1352..1621		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38765	Strand	-
Start	8796	End	11499
Name	OJ990416_04.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	1356	End	1937
GI	none	Score	116
Exons	1356..1562, 1539..1643, 1641..1937		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38765	Strand	-
Start	8796	End	11499
Name	OJ990416_04.9819.C9.o4.ts	Method	TBLASTX:Soybean
Start	1656	End	1922
GI	none	Score	237
Exons	1656..1922, 1769..1921		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38765	Strand	-
Start	8796	End	11499
Name	OJ990416_04.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	4651	End	6219
GI	none	Score	49
Exons	4651..4713, 4735..5025, 4735..5142, 4786..5211, 4807..5157, 4816..5073, 4831..5418, 4840..5409, 4912..5205, 4912..5286, 4948..5046, 4951..5361, 5044..5424, 5095..5409, 5281..5400, 5311..5418, 5449..5499, 5518..5730, 5521..5757, 5539..5784, 5548..5769, 5548..5730, 5575..5730, 5581..5700, 5611..5790, 5797..6138, 5881..6138, 5881..6141, 5884..6219, 5884..6072, 5884..6138, 5884..6138, 5899..6138, 5899..6138, 5989..6120, 6048..6197		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38765	Strand	-
Start	8796	End	11499
Name	OJ990416_04.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	4726	End	6138
GI	none	Score	80
Exons	4726..4968, 4735..5190, 4798..5403, 4971..5396, 5104..5415, 5533..5757, 5539..5757, 5575..5706, 5884..6111, 5890..6138, 5890..6129, 5944..6135		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38765	Strand	-
Start	8796	End	11499

Name	OJ990416_04.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	4840	End	6144
GI	none	Score	286
Exons	4840..5133, 4856..5131, 4912..5211, 4923..5168, 4935..5159, 5136..5348, 5137..5334, 5281..5409, 5518..5769, 5878..6135, 5884..6087, 5947..6075, 5989..6144		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38765	Strand	-
Start	8796	End	11499
Name	OJ990416_04.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	4921	End	6186
GI	none	Score	125
Exons	4921..5142, 5023..5286, 5515..5730, 5839..6186, 6096..6176		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38765	Strand	-
Start	8796	End	11499
Name	OJ990416_04.9819.C9.o2.gs	Method	GENSCAN
Start	8796	End	11499
GI	none	Score	.52
Exons	8796..8891, 9252..9384, 9751..9837, 10743..10996, 11344..11499		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38766	Strand	
Start	17728	End	18900
Name	OJ990416_04.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	17728	End	18900
GI	none	Score	164
Exons	17728..18057, 18223..18510, 18633..18875, 18658..18900		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38766	Strand	
Start	17728	End	18900
Name	OJ990416_04.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	17854	End	18891
GI	none	Score	94
Exons	17854..18045, 18331..18540, 18378..18563, 18636..18875, 18642..18734, 18643..18876, 18643..18891		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38767	Strand	
Start	19230	End	19579
Name	OJ990416_04.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	19230	End	19579
GI	none	Score	192
Exons	19230..19370, 19237..19371, 19239..19373, 19471..19578, 19473..19571, 19490..19579		

Seq. No.	18446	Seq. ID	OJ990416_04.9819.C9
Gene No.	38768	Strand	
Start	20493	End	21840
Name	OJ990416_04.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	20493	End	21840
GI	none	Score	67
Exons	20493..20537, 20501..20563, 20595..20777, 20603..20776, 20772..20885, 20775..20873, 20869..20988, 20871..20993,		

20883..20987, 20977..21096, 20979..21101, 20991..21095,
21087..21302, 21099..21233, 21496..21627, 21731..21835,
21732..21839, 21745..21840

Seq. No.	18447	Seq. ID	OJ990416_04.9819.C11
Gene No.	38769	Strand	+
Start	844	End	1365
Name	OJ990416_04.9819.C11.o1.gs	Method	GENSCAN
Start	844	End	1365
GI	none	Score	.64
Exons	844..894, 1265..1365		

Seq. No.	18447	Seq. ID	OJ990416_04.9819.C11
Gene No.	38770	Strand	+
Start	3801	End	3933
Name	OJ990416_04.9819.C11.o1.gp	Method	AAT/GAP
Start	3801	End	3933
GI	LIB3474-009-P1-K1-F11	Score	221
Exons	3801..3933		
GI Descrip.	'4455244/emb\|CAB36743.1\| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	18447	Seq. ID	OJ990416_04.9819.C11
Gene No.	38771	Strand	+
Start	4203	End	4560
Name	OJ990416_04.9819.C11.o2.gp	Method	AAT/GAP
Start	4203	End	4560
GI	none	Score	674
Exons	4203..4560		

Seq. No.	18447	Seq. ID	OJ990416_04.9819.C11
Gene No.	38772	Strand	-
Start	2482	End	2940
Name	OJ990416_04.9819.C11.o2.gs	Method	GENSCAN
Start	2482	End	2940
GI	none	Score	.71
Exons	2482..2504, 2814..2940		

Seq. No.	18447	Seq. ID	OJ990416_04.9819.C11
Gene No.	38773	Strand	-
Start	4379	End	4551
Name	OJ990416_04.9819.C11.o3.gs	Method	GENSCAN
Start	4379	End	4551
GI	none	Score	.88
Exons	4379..4551		

Seq. No.	18448	Seq. ID	OJ990416_04.9819.C12
Gene No.	38774	Strand	-
Start	414	End	966
Name	OJ990416_04.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	405	End	905
GI	none	Score	58
Exons	405..647, 477..674, 495..674, 510..680, 691..900, 714..905		

Seq. No.	18448	Seq. ID	OJ990416_04.9819.C12
Gene No.	38774	Strand	-
Start	414	End	966